

### Anti-STING antibody [SP338] - BSA and Azide free ab238795

**重组** RabMAb

18 图像

#### 概述

产品名称	Anti-STING抗体[SP338] - BSA and Azide free
描述	兔单克隆抗体[SP338] to STING - BSA and Azide free
宿主	Rabbit
经测试应用	<b>适用于:</b> WB, IHC-P, Flow Cyt (Intra), ICC/IF
种属反应性	<b>与反应:</b> Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: Human lymph node, thymus, tonsil, colon, spleen, colon adenocarcinoma, lung, lung squamous cell carcinoma, lung adenocarcinoma and pancreatic adenocarcinoma tissues. WB: THP-1 cell lysate. Flow Cyt (intra): THP-1 cells. ICC/IF: THP-1 cells.
常规说明	<p>ab238795 is the carrier-free version of <a href="#">ab227704</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p><b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b></p>

<b>性能</b>	
<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>存储溶液</b>	pH: 7.20 Constituent: PBS
<b>无载体</b>	是
<b>纯度</b>	Protein A/G purified
<b>纯化说明</b>	Purified from TCS by protein A/G.
<b>克隆</b>	单克隆
<b>克隆编号</b>	SP338
<b>同种型</b>	IgG
<b>应用</b>	

The Abpromise guarantee

**Abpromise™**承诺保证使用ab238795于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent concentration. Predicted molecular weight: 42 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with EDTA buffer pH 8.0 before commencing with IHC staining protocol.
Flow Cyt (Intra)		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

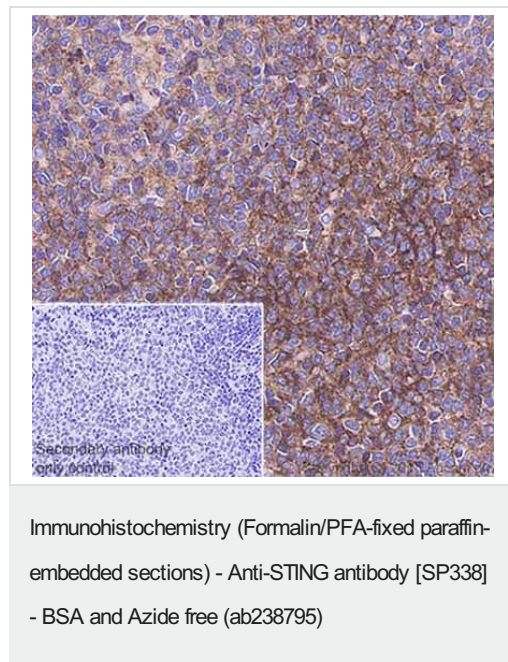
<b>靶标</b>	
<b>功能</b>	Facilitator of innate immune signaling that promotes the production of type I interferon (IFN-alpha and IFN-beta). Innate immune response is triggered in response to non-CpG double-stranded DNA from viruses and bacteria delivered to the cytoplasm. Able to activate both NF-kappa-B and IRF3 transcription pathways to induce expression of type I interferon and exert a potent anti-viral state following expression. May be involved in translocon function, the translocon possibly being able to influence the induction of type I interferons. May be involved in transduction of apoptotic signals via its association with the major histocompatibility complex class II (MHC-II). Mediates death signaling via activation of the extracellular signal-regulated kinase (ERK) pathway.
<b>组织特异性</b>	Ubiquitously expressed.
<b>序列相似性</b>	Belongs to the TMEM173 family.
<b>翻译后修饰</b>	Phosphorylated on tyrosine residues upon MHC-II aggregation (By similarity). Phosphorylated on Ser-358 by TBK1, leading to activation and production of IFN-beta. Ubiquitinated. 'Lys-63'-linked ubiquitination mediated by TRIM56 at Lys-150 promotes

homodimerization and recruitment of the antiviral kinase TBK1 and subsequent production of IFN-beta. 'Lys-48'-linked polyubiquitination at Lys-150 occurring after viral infection is mediated by RNF5 and leads to proteasomal degradation.

## 细胞定位

Endoplasmic reticulum membrane. Mitochondrion outer membrane. Cell membrane. Cytoplasm > perinuclear region. In response to double-stranded DNA stimulation, relocalizes to perinuclear region, where the kinase TBK1 is recruited.

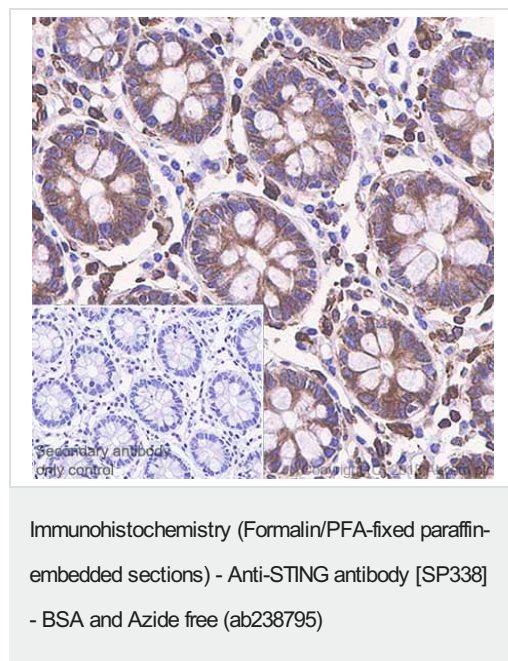
## 图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Rat spleen tissue sections labeling TMEM173 with [ab227704](#) at 1/100 dilution (1.05 µg/ml). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 10mins. Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on the rat spleen, performed on a Leica Biosystems BOND™ RX instrument.

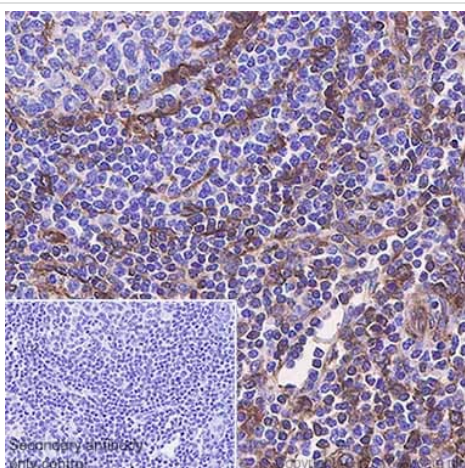
The section was incubated with [ab227704](#) for 10 mins at room temperature.

This image was generated using [ab227704](#), the same clone, but with a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human colon tissue sections labeling TMEM173 with [ab227704](#) at 1/100 dilution (1.05 µg/ml). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 10mins. Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on the human colon, performed on a Leica Biosystems BOND™ RX instrument.

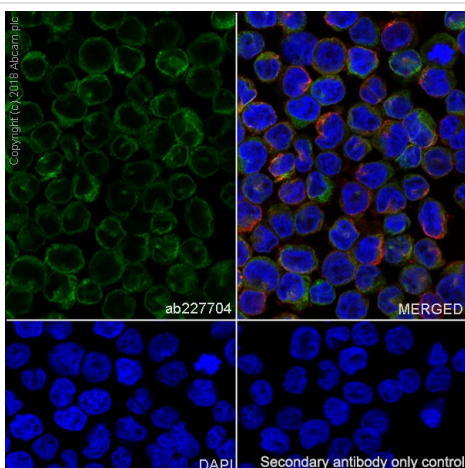
The section was incubated with [ab227704](#) for 10 mins at room temperature. This image was generated using [ab227704](#), the same clone, but with a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338]  
- BSA and Azide free (ab238795)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human tonsil tissue sections labeling TMEM173 with **ab227704** at 1/100 dilution (1.05 µg/ml). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 10mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on the human tonsil, performed on a Leica Biosystems BOND™ RX instrument.

The section was incubated with **ab227704** for 10 mins at room temperature. This image was generated using **ab227704**, the same clone, but with a different buffer formulation.

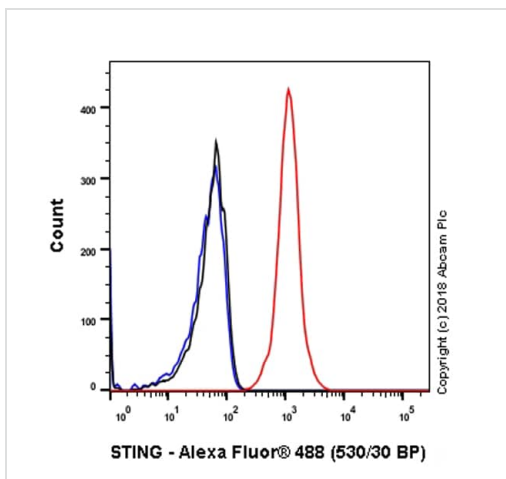


Immunocytochemistry/ Immunofluorescence - Anti-STING antibody [SP338] - BSA and Azide free (ab238795)

Immunocytochemistry/ Immunofluorescence analysis of THP-1 (human monocytic leukemia monocyte) cells labeling TMEM173 with purified **ab227704** at 1/50 (2.1 µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

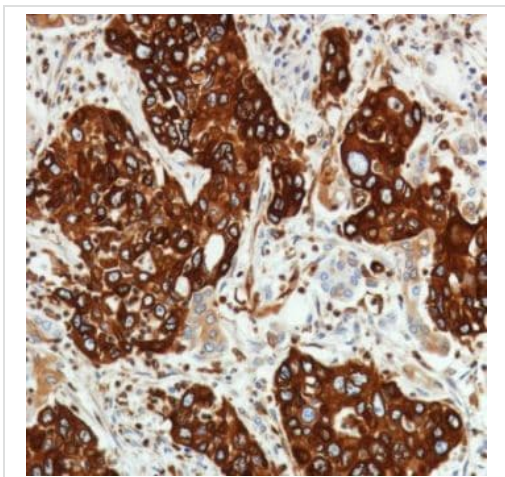
This image was generated using **ab227704**, the same clone, but with a different buffer formulation.





Flow Cytometry (Intracellular) - Anti-STING antibody  
[SP338] - BSA and Azide free (ab238795)

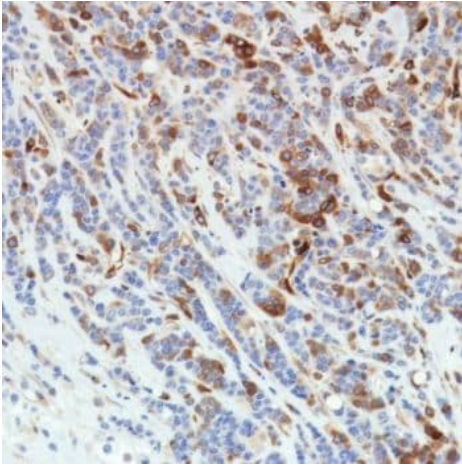
Intracellular Flow Cytometry analysis of THP-1 (human monocytic leukemia monocyte) labeling TMEM173 with purified **ab227704** at 1/20 dilution (5.25µg/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Goat anti rabbit IgG (Alexa Fluor®488, **ab150081**) at 1/2000 dilution was used as a secondary antibody. Isotype control -Rabbit monoclonal IgG (**ab172730**) / Black. Unlabeled control -Unlabelled cells / blue. This image was generated using **ab227704**, the same clone, but with a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338]  
- BSA and Azide free (ab238795)

Formalin-fixed, paraffin-embedded human pancreatic adenocarcinoma tissue stained for TMEM173 using **ab227704** at 1/100 dilution in immunohistochemical analysis.

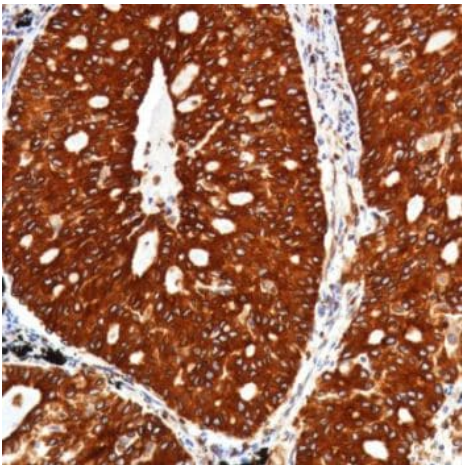
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab227704**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338]  
- BSA and Azide free (ab238795)

Formalin-fixed, paraffin-embedded human pancreatic adenocarcinoma tissue stained for TMEM173 using [ab227704](#) at 1/100 dilution in immunohistochemical analysis.

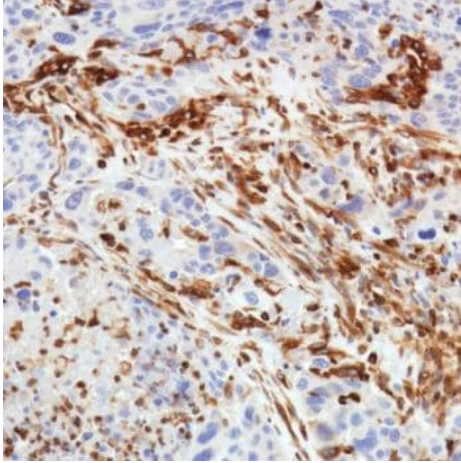
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab227704](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338]  
- BSA and Azide free (ab238795)

Formalin-fixed, paraffin-embedded human lung adenocarcinoma tissue stained for TMEM173 using [ab227704](#) at 1/100 dilution in immunohistochemical analysis.

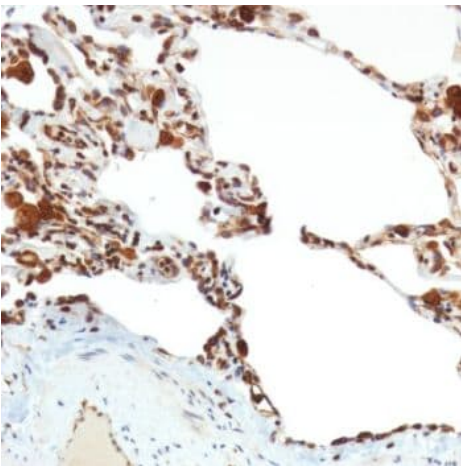
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab227704](#)).



Formalin-fixed, paraffin-embedded human lung squamous cell carcinoma tissue stained for TMEM173 using [ab227704](#) at 1/100 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab227704](#)).

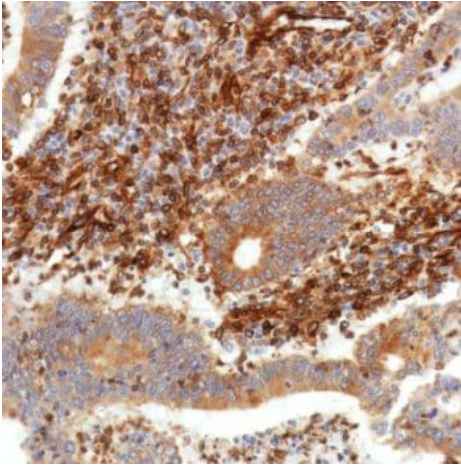
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338]  
- BSA and Azide free (ab238795)



Formalin-fixed, paraffin-embedded human lung tissue stained for TMEM173 using [ab227704](#) at 1/100 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab227704](#)).

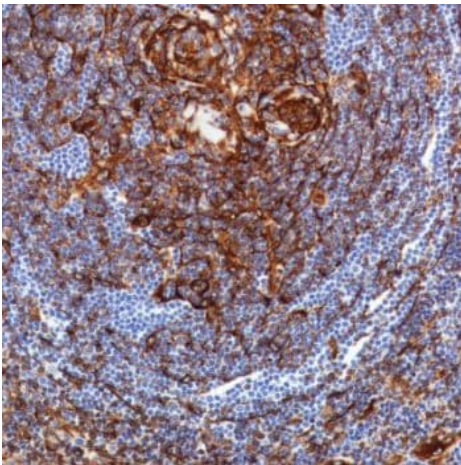
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338]  
- BSA and Azide free (ab238795)



Formalin-fixed, paraffin-embedded human colon adenocarcinoma tissue stained for TMEM173 using [ab227704](#) at 1/100 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab227704](#)).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338]  
- BSA and Azide free (ab238795)

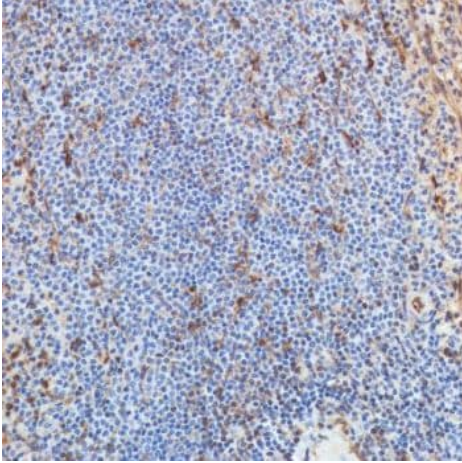


Formalin-fixed, paraffin-embedded human lymph node tissue stained for TMEM173 using [ab227704](#) at 1/100 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab227704](#)).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338]  
- BSA and Azide free (ab238795)

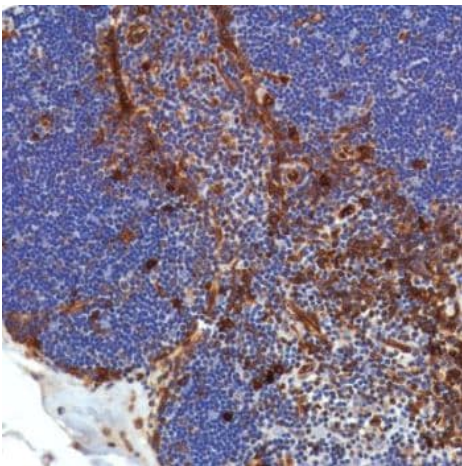




Formalin-fixed, paraffin-embedded human spleen tissue stained for TMEM173 using **ab227704** at 1/100 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab227704**).

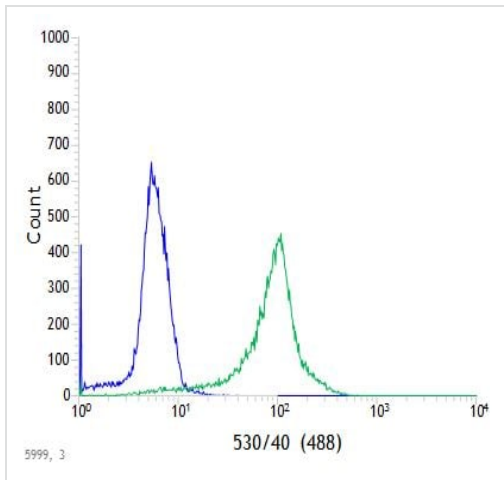
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338]  
- BSA and Azide free (ab238795)



Formalin-fixed, paraffin-embedded human thymus tissue stained for TMEM173 using **ab227704** at 1/100 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab227704**).

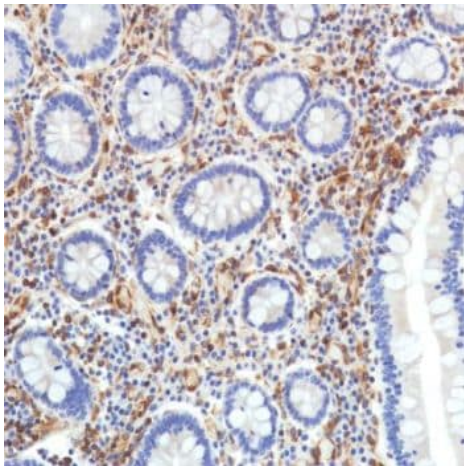
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338]  
- BSA and Azide free (ab238795)



Flow Cytometry (Intracellular) - Anti-STM173 antibody [SP338] - BSA and Azide free (ab238795)

Intracellular flow cytometric analysis of THP-1 (human monocytic leukemia cell line) cell line labeling STM173 with **ab227704** at 1/400 dilution (green) compared with a rabbit IgG negative control (blue).

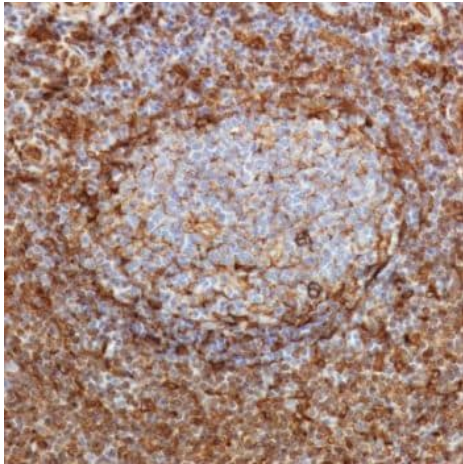
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab227704**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STM173 antibody [SP338] - BSA and Azide free (ab238795)

Formalin-fixed, paraffin-embedded human colon tissue stained for STM173 using **ab227704** at 1/100 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab227704**).



Formalin-fixed, paraffin-embedded human tonsil tissue stained for TMEM173 using **ab227704** at 1/100 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide (**ab227704**).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338]  
- BSA and Azide free (ab238795)

Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-STING antibody [SP338] - BSA and Azide free (ab238795)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Extensive multi-media technical resources to help you
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