

### Anti-Strep-tag II antibody [11A7] - BSA and Azide free ab255890

重组

#### 5 图像

#### 概述

产品名称	Anti-Strep-tag II抗体[11A7] - BSA and Azide free
描述	大鼠单克隆抗体[11A7] to Strep-tag II - BSA and Azide free
宿主	Rat
经测试应用	适用于: WB, ICC/IF, IP, Indirect ELISA
种属反应性	与反应: Species independent
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Strep-tagged standard marker. ICC/IF: Strep tag-GFP transfected 293T cells. IP: HEK-293T transfected with GFP expression vector containing a strep tag. Indirect ELISA: Strep tag II.
常规说明	<p>ab255890 is the carrier-free version of <a href="#">ab252885</a>.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</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>

## 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.2 Constituent: PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	11A7
同种型	IgG2b
轻链类型	kappa

## 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用 ab255890 于以下的经测试应用

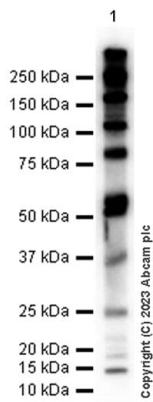
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent concentration. Predicted molecular weight: 19 kDa.
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
Indirect ELISA		Use at an assay dependent concentration.

## 靶标

**相关性**      Streptavidin is a tetrameric protein purified from *Streptomyces avidinii*. It has wide use in numerous molecular biological protocols due to its strong affinity for biotin. The original Strep-tag (AWRHPQFGG) was a nine amino acid peptide with high specificity and affinity towards streptavidin which allows the simple purification of protein by use of affinity columns, but required addition to only the C-terminus of recombinant proteins. To also allow a Strep-tag to be placed at the N-terminus of recombinant proteins, it was re-engineered and re-named Strep-tag II.

## 图片



Western blot - Anti-Strep-tag II antibody [11A7] - BSA and Azide free (ab255890)

Anti-Strep-tag II antibody [11A7] ([ab252885](#)) at 1/5000 dilution + strep-tagged standard marker at 2  $\mu$ l

### Secondary

Goat Anti-Rat IgG H&L (HRP) ([ab205720](#)) at 1/10000 dilution

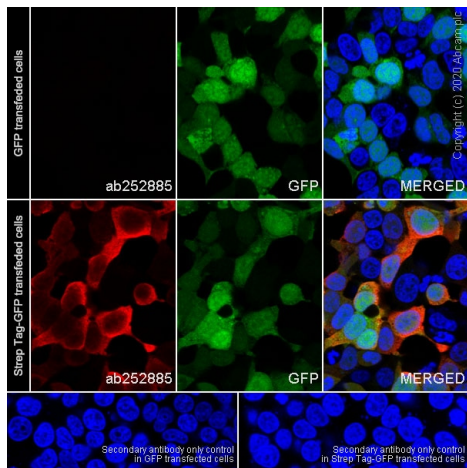
**Predicted band size:** 19 kDa

**Observed band size:** 10-250 kDa

**Exposure time:** 1 second

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab252885](#)).

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

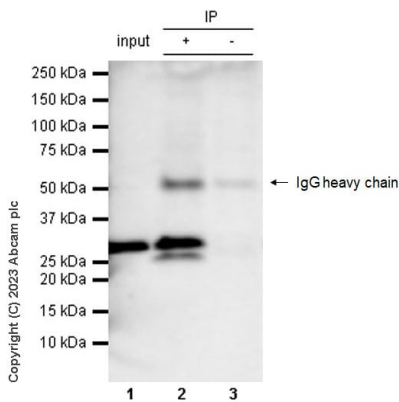


Immunocytochemistry/ Immunofluorescence - Anti-Strep-tag II antibody [11A7] - BSA and Azide free (ab255890)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab252885](#)).

[ab252885](#) staining Strep-tag II in Strep tag-GFP transfected HEK-293T cells. The cells were fixed with 4% paraformaldehyde and permeabilised in 0.1% Triton X-100. The cells were then incubated with [ab252885](#) at 1/250 dilution, followed by [ab150160](#) Goat Anti-Rat IgG H&L (Alexa Fluor® 594) antibody at 1/1000 dilution. Nucleus were visualized using DAPI.

Confocal image showing nuclear and cytoplasmic staining in HEK-293T cells transfected with GFP-tagged GluN1 zeta-1 expression vector.



Immunoprecipitation - Anti-Strep-tag II antibody [11A7] - BSA and Azide free (ab255890)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab252885](#)).

Strep Tag II was immunoprecipitated from HEK-293T transfected with GFP expression vector containing a Strep Tag II whole cell lysate with [ab252885](#) at 1/50 dilution. Western blot was performed on the immunoprecipitate using [ab252885](#) at 1/1000 dilution. Goat Anti-rat IgG (H+L), HRP) ([ab205720](#)) was used at 1/10000 dilution.

**Lane 1 (Input):** HEK-293T transfected with GFP expression vector containing a strep tag whole cell lysate 2 µg

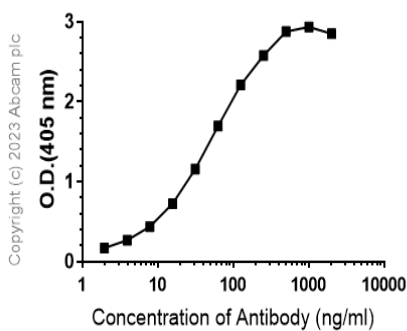
**Lane 2 (+):** HEK-293T transfected with GFP expression vector containing a strep tag II whole cell lysate

**Lane 3 (-):** Rat monoclonal IgG2b ([ab18541](#)) instead of [ab252885](#) in HEK-293T transfected with GFP expression vector containing a strep tag II whole cell lysate

Observed MV: 26 kDa

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

### Indirect ELISA antibody dose-response curve antigen at 1000 ng/ml



Indirect ELISA - Anti-Strep-tag II antibody [11A7] - BSA and Azide free (ab255890)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab252885](#)).

Indirect ELISA analysis of Strep tag II at 1000 ng/ml with [ab252885](#) at 2000-0 ng/ml. An Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Rat IgG (H+L) was used as the secondary antibody at 1/1000 dilution.

### 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

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

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