abcam

Product datasheet

Anti-ILT-4 antibody [EPR22081] - Low endotoxin, Azide free ab246796

重组 RabMAb

3 图像

概述

产品名称	Anti-ILT-4抗体[EPR22081] - Low endotoxin, Azide free
描述	兔单克隆抗体[EPR22081] to ILT-4 - Low endotoxin, Azide free
宿主	Rabbit
经测试应用	**适用于:** ICC/IF, Flow Cyt **不适用于:** IHC-P or WB
种属反应性	**与反应:** Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	ICC/IF: Human PBMC. Flow Cyt: Human PBMC.
常规说明	ab246796 is the carrier-free version of **ab224701**. Our **carrier-free** 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. 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. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Our **Low endotoxin, azide-free formats** have low endotoxin level (≤ 1 EU/ml, determined by the LAL assay) and are free from azide, to achieve consistent experimental results in functional assays.

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
纯化说明	Endotoxin level is less than 1 EU/ml as determined by the TAL test
克隆	单克隆
克隆编号	EPR22081
同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab246796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。

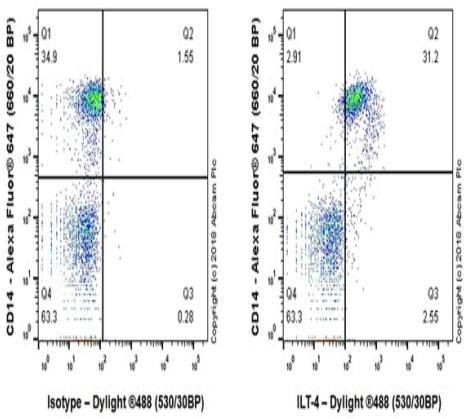
应用	Ab评论	说明
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.

应用说明 Is unsuitable for IHC-P or WB.

靶标

功能	Receptor for class I MHC antigens. Recognizes a broad spectrum of HLA-A, HLA-B, HLA-C and HLA-G alleles. Involved in the down-regulation of the immune response and the development of tolerance. Competes with CD8A for binding to class I MHC antigens. Inhibits FCGR1A-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions.
组织特异性	Expressed on monocytes and B-cells, and at lower levels on dendritic cells. Detected at low levels in natural killer (NK) cells.
序列相似性	Contains 4 Ig-like C2-type (immunoglobulin-like) domains.
结构域	Contains 3 copies of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases.
翻译后修饰	Phosphorylated on tyrosine residues. Dephosphorylated by PTPN6.
细胞定位	Membrane.

图片



Flow Cytometry - Anti-ILT-4 antibody [EPR22081] - Low endotoxin, Azide free (ab246796)

Flow cytometric analysis of human primary peripheral blood mononuclear cell (PBMC) labeling ILT-4 with **ab224701** at 1/500 (right panel) compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control (**ab172730**) (left panel). Goat anti rabbit IgG (Dylight® 488, **ab98462**) at 1/2000 dilution was used as the secondary antibody.

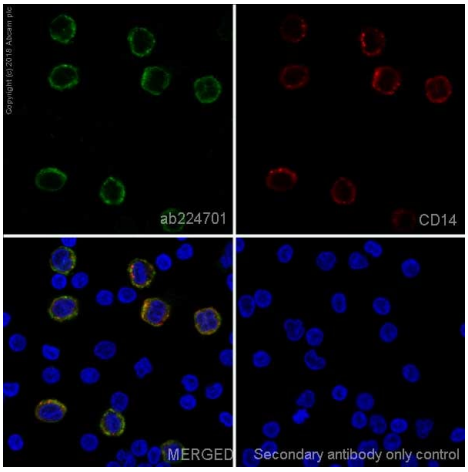
Cells were stained with Alexa Fluor® 647-conjugated CD14 and rabbit IgG (Left) or ILT-4 (Right).

Data shown were gated on viable cells.

The CD14 co-staining result observed is consistent with what has been described in the literature (PMID:10879687).

ILT-4 is expressed in monocytes and CD14 is an established marker for monocytes and macrophages (PMID: 23382732).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab224701**).



Immunocytochemistry/ Immunofluorescence - Anti-ILT-4 antibody [EPR22081] - Low endotoxin, Azide free (ab246796)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Human PBMC (human primary peripheral blood mononuclear cell) cells labeling ILT-4 with **ab224701** at 1/50 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing co-staining with CD14 and cytoplasmic staining in PBMC cells. The nuclear counterstain is DAPI (blue). Counterstained with an Alexa Fluor® 647 anti-human CD14 antibody at a 1/100 dilution (red).

The **negative control** is the secondary antibody only.

ILT-4 is expressed in monocytes (PMID:10879687) and CD14 is an established marker for monocytes and macrophages (PMID: 23382732).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab224701**).

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