

Product datasheet

Anti-ILT-3 antibody [EPR22030] - BSA and Azide free ab244552

Recombinant RabMAb

2 Images

Overview

Product name	Anti-ILT-3 antibody [EPR22030] - BSA and Azide free
Description	Rabbit monoclonal [EPR22030] to ILT-3 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt Unsuitable for: ICC/IF,IHC-P or WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment within Human ILT-3 aa 100-350. The exact sequence is proprietary. Database link: Q8NHJ6
Positive control	Flow Cyt: Human peripheral blood mononuclear cells (PBMCs).
General notes	Ab244552 is the carrier-free version of ab224716 . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes. Our carrier-free formats are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency. 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. ab244552 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm. <i>Maxpar® is a trademark of Fluidigm Canada Inc.</i> 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 . Reproducibility is key to advancing scientific discovery and accelerating scientists' next

breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22030
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab244552** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration.

Application notes Is unsuitable for ICC/IF, IHC-P or WB.

Target

Function 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, e.g. towards transplants. Interferes with TNFRSF5-signaling and NF-kappa-B up-regulation. Inhibits receptor-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions.

Tissue specificity

Detected in monocytes, macrophages, dendritic cells, lung, natural killer cells and B-cells.

Sequence similarities

Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

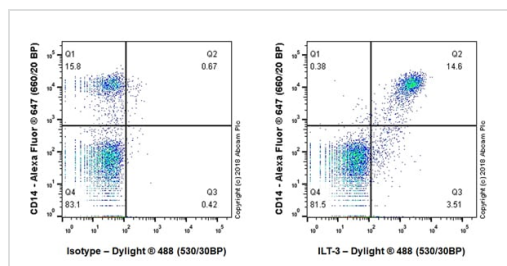
Domain

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.

Cellular localization

Cell membrane. Ligand binding leads to internalization and translocation to an antigen-processing compartment.

Images



Flow Cytometry - Anti-ILT-3 antibody [EPR22030] - BSA and Azide free (ab244552)

Flow cytometric analysis of human peripheral blood mononuclear cells (PBMCs) labeling ILT-3 with [ab224716](#) at 1/600 dilution (right panel) compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control ([ab172730](#)) (left panel). Goat Anti-Rabbit IgG H&L (Dylight® 488) ([ab98462](#)) at 1/2000 dilution was used as the secondary antibody.

Cells were stained with Alexa Fluor® 647-conjugated CD14 (a monocyte marker) and rabbit IgG (left, [ab172370](#)) or anti-ILT-3 RabMAb (right, [ab224716](#)). Data shown was gated on viable cells.

The ILT-3 expression pattern has been described in literature (PMID:17266150; PMID:9151699).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab224716](#)).

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"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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