

Anti-TNFRSF14/HVEM antibody [EPR22122] - BSA and Azide free ab251647

Recombinant RabMAb

4 Images

Overview

Product name	Anti-TNFRSF14/HVEM antibody [EPR22122] - BSA and Azide free
Description	Rabbit monoclonal [EPR22122] to TNFRSF14/HVEM - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, Flow Cyt Unsuitable for: IHC-P or WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	ICC/IF: HEK-293T cells transfected with with a Myc-tagged human TNFRSF14/HVEM expression construct. Flow cyt: Human PBMCs and HEK-293T cells transfected with with a Myc-tagged human TNFRSF14/HVEM expression construct.
General notes	ab251647 is the carrier-free version of ab224708 .

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](#).

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	EPR22122
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab251647 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

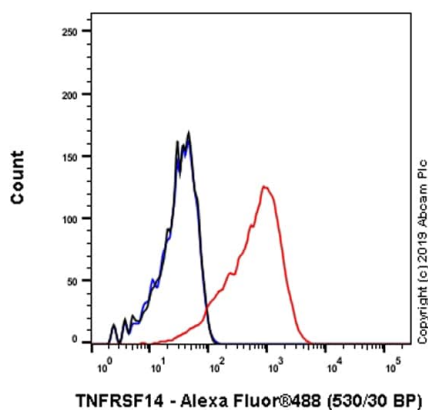
Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.

Application notes Is unsuitable for IHC-P or WB.

Target

Function	Receptor for BTLA. Receptor for TNFSF14/LIGHT and homotrimeric TNFSF1/lymphotoxin-alpha. Involved in lymphocyte activation. Plays an important role in HSV pathogenesis because it enhanced the entry of several wild-type HSV strains of both serotypes into CHO cells, and mediated HSV entry into activated human T-cells.
Tissue specificity	Widely expressed, with the highest expression in lung, spleen and thymus.
Sequence similarities	Contains 3 TNFR-Cys repeats.
Post-translational modifications	N-glycosylated.
Cellular localization	Membrane.

Images

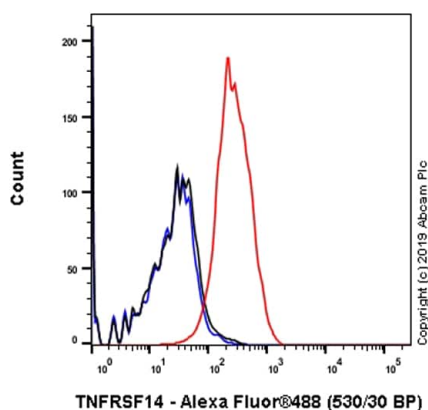


Flow Cytometry - Anti-TNFRSF14/HVEM antibody
[EPR22122] - BSA and Azide free (ab251647)

Flow cytometric analysis of HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) cells transfected with with a Myc-tagged human TNFRSF14/HVEM expression construct labeling TNFRSF14/HVEM with **ab224708** at 1/400 dilution (red) compared with a rabbit monoclonal IgG Isotype control (**ab172730**) (black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**), at 1/2000 dilution was used as the secondary antibody.

Gated on viable cells.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab224708**).

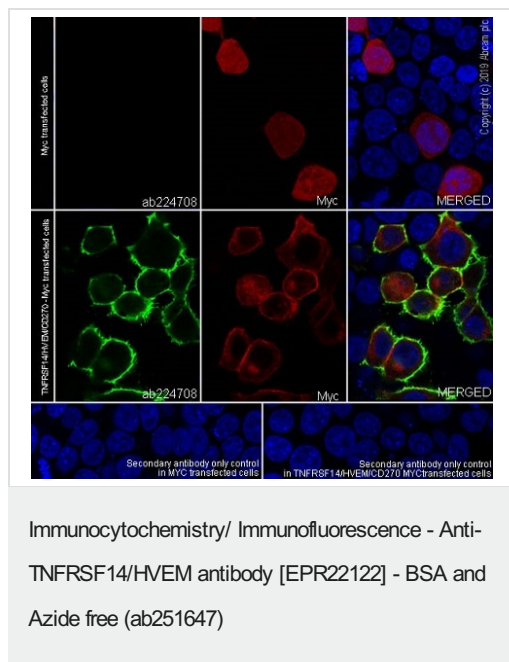


Flow Cytometry - Anti-TNFRSF14/HVEM antibody
[EPR22122] - BSA and Azide free (ab251647)

Flow cytometric analysis of human PBMCs (peripheral blood mononuclear cells) labeling TNFRSF14/HVEM with **ab224708** at 1/400 dilution (red) compared with a rabbit monoclonal IgG Isotype control (**ab172730**) (black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed (**ab150081**), at 1/2000 dilution was used as the secondary antibody.

Gated on viable cells.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab224708**).



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) cells transfected with with a Myc-tagged human TNFRSF14/HVEM expression construct labeling TNFRSF14/HVEM with **ab224708** at 1/100 dilution, followed by a Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing membranous staining in 293T cells transfected with a Myc-tagged human TNFRSF14/HVEM expression construct. The nuclear counter stain is DAPI (blue). Cells are counter stained for Myc using Anti-Myc tag antibody [9E10] (Alexa Fluor® 594) (**ab223894**) at 1/200 dilution (red).

Secondary antibody only control: Used PBS instead of primary antibody, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab224708**).

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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