

Product datasheet

Anti-CD62L antibody [MEL-14] - BSA and Azide free ab256147

Recombinant

3 Images

Overview

Product name	Anti-CD62L antibody [MEL-14] - BSA and Azide free
Description	Rat monoclonal [MEL-14] to CD62L - BSA and Azide free
Host species	Rat
Specificity	ab119834 reacts with mouse CD62L, a 75 kDa single chain type I glycoprotein expressed on most peripheral blood B lymphocytes, T lymphocytes, monocytes and granulocytes; it is also present on a subset of NK cells and certain hematopoietic malignant cells.
Tested applications	Suitable for: Flow Cyt, ICC/IF Unsuitable for: IHC-P
Species reactivity	Reacts with: Mouse
Immunogen	Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers.
Positive control	ICC/IF: Mouse spleen cells. Flow Cyt: Mouse splenocytes.
General notes	<p>ab256147 is the carrier free version of ab119834.</p> <p>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.</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 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.</p> <p>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.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production

For more information [see here](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.4 Constituent: 100% PBS
Carrier free	Yes
Purity	Ion Exchange Chromatography
Clonality	Monoclonal
Clone number	MEL-14
Isotype	IgG2a

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab256147 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

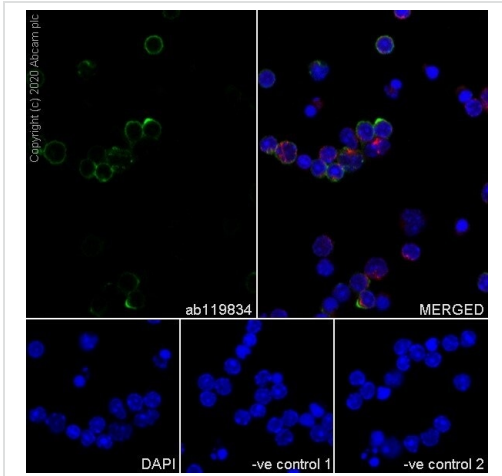
Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

Application notes Is unsuitable for IHC-P.

Target

Function	Cell surface adhesion protein. Mediates the adherence of lymphocytes to endothelial cells of high endothelial venules in peripheral lymph nodes. Promotes initial tethering and rolling of leukocytes in endothelia.
Tissue specificity	Expressed in B cell lines and T lymphocytes.
Sequence similarities	Belongs to the selectin/LECAM family. Contains 1 C-type lectin domain. Contains 1 EGF-like domain. Contains 2 Sushi (CCP/SCR) domains.
Cellular localization	Membrane.

Images



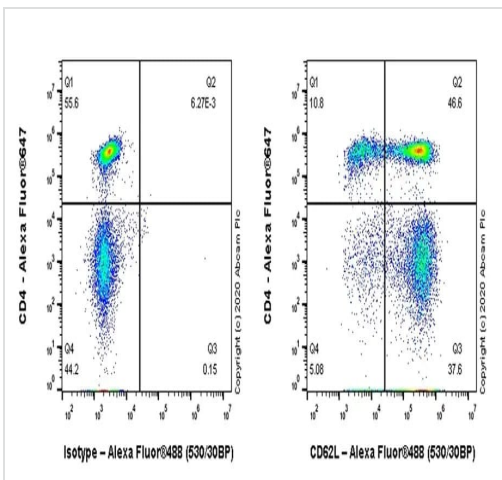
Immunocytochemistry/ Immunofluorescence - Anti-CD62L antibody [MEL-14] - BSA and Azide free (ab256147)

This data was developed using **ab119834**, the same antibody clone in a different buffer formulation.

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized Mouse spleen cells labelling CD62L with **ab119834** at 1/100 dilution, followed by **ab150157** Goat Anti-Rat IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing membranous staining in some subset of mouse spleen cells is observed. **ab179513** Anti-beta Tubulin rabbit monoclonal antibody was used to counterstain tubulin at 1/200 dilution, followed by **ab150080** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) at 1/1000 dilution (Red). The Nuclear counterstain was DAPI (Blue).

-ve control 1: **ab119834** at 1/100 dilution, followed by **ab150080** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) at 1/1000 dilution.

-ve control 2: **ab179513** at 1/200 dilution, followed by **ab150157** Goat Anti-Rat IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

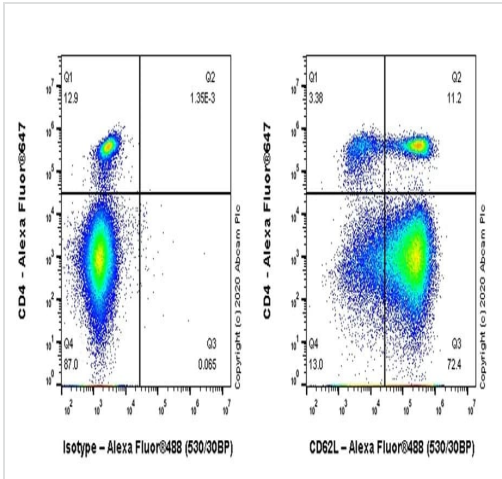


Flow Cytometry - Anti-CD62L antibody [MEL-14] - BSA and Azide free (ab256147)

This data was developed using **ab119834**, the same antibody clone in a different buffer formulation.

Flow cytometric analysis of Mouse splenocyte cells labelling CD62L with **ab119834** at 1/500 dilution (0.2 ug). Goat anti rat IgG (Alexa Fluor® 488, **ab150157**) at 1/2000 dilution was used as the secondary antibody. Cells were stained with rat IgG (Left) or **ab119834** (Right). Then stained with anti-CD4 conjugated to Alexa Fluor®647 and anti-CD3 conjugated to PerCP.

Gated on viable CD3+ T cells.



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