

Product datasheet

Anti-CD62L antibody [OX85] ab238473

2 Images

Overview

Product name	Anti-CD62L antibody [OX85]
Description	Mouse monoclonal [OX85] to CD62L
Host species	Mouse
Tested applications	Suitable for: Flow Cyt, IHC-Fr
Species reactivity	Reacts with: Rat
Immunogen	Fusion protein corresponding to Rat CD62L (extracellular). Fused at the C-terminal end to domains 3 and 4 of rat CD4.
Positive control	Flow Cyt: Lewis rat splenocytes. IHC-Fr: Rat Spleen
General notes	This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Protein G purified
Purification notes	Purified from TCS.
Clonality	Monoclonal
Clone number	OX85
Isotype	IgG1
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab238473** 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 a concentration of 0.2 µg/ml.
IHC-Fr		Use a concentration of 1 µg/ml.

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.

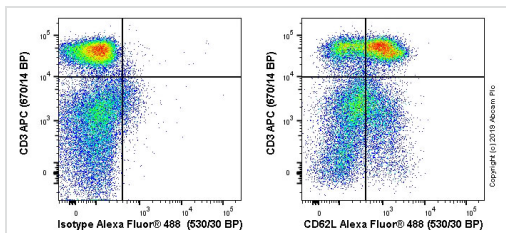
Sequence similarities

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

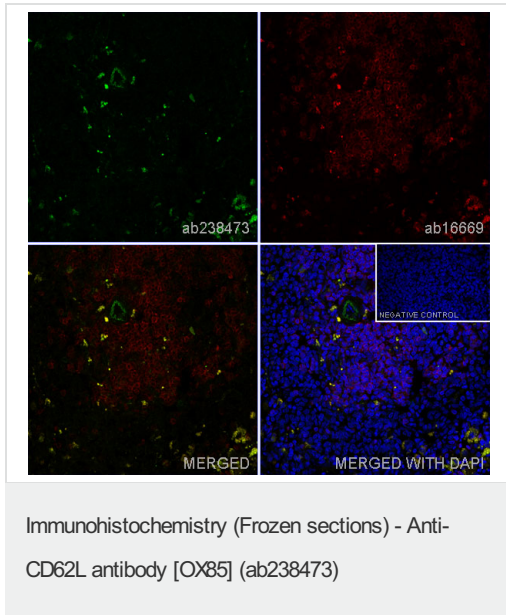


Flow Cytometry - Anti-CD62L antibody [OX85]
 (ab238473)
 Lab

Lewis rat splenocytes stained with ab238473 (right) or mouse IgG1κ (left). Lewis rat splenocytes were incubated for 30 min on ice in 10% rat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab238473) or mouse IgG1κ Isotype (ab170190) (1×10^6 in 100 µl at 0.2 µg/ml) for 30 min on ice.

The secondary antibody Goat Anti-Mouse IgG H&L (Alexa Fluor[®] 488, pre-adsorbed) (ab150117) was used at 1/2000 dilution for 30 min at 4°C. The cells were simultaneously stained with CD3 APC antibody.

Acquisition of >30,000 events were collected using a 50 mW Blue laser (488nm) and 530/30 bandpass filter. Events were gated on viable lymphocytes.



IHC image of CD62L staining in a section of frozen normal Rat Spleen.

The section was fixed using 10% formaldehyde in 1XPBS for 10 minutes. No antigen retrieval step was performed prior to staining. Non-specific protein-protein interactions were then blocked in TBS containing 0.025% (v/v) Triton X-100, 0.3M glycine and 1% (w/v) BSA for 1h at room temperature. The section was then incubated overnight at +4°C in TBS containing 0.025% (v/v) Triton X-100 and 1% (w/v) BSA with ab238473 at 1µg/ml and ab16669 (Rabbit monoclonal [SP7] to CD3) at 1/150, to show the co-staining in naive T cells. The section was then incubated with ab150117 (Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preabsorbed, (Shown in green) 1/1000) and ab150080 (Goat Anti-Rabbit IgG H&L (Alexa Fluor®594) (Shown in red) 1/1000) for 1 hour at room temperature. The secondary-only control insert image is taken from an identical assay without primary antibody. DAPI was used to stain the cell nuclei (blue). The section was then mounted using Fluoromount®.

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

For IHC staining systems (automated and non-automated), customers should optimize variable parameters such as antibody concentrations and incubation times.

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