

Product datasheet

Anti-CD62L antibody [OX85] - BSA and Azide free ab244587

[2 Images](#)

Overview

Product name	Anti-CD62L antibody [OX85] - BSA and Azide free
Description	Mouse monoclonal [OX85] to CD62L - BSA and Azide free
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	<p>ab244587 is the PBS only version of ab238473.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>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.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>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.</p> <p>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.</p> <p>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.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at +4°C. Do Not Freeze.
Storage buffer	Constituent: PBS
Carrier free	Yes
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 **ab244587** in the following tested applications.

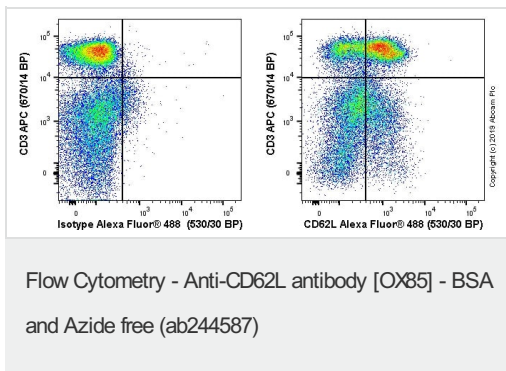
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

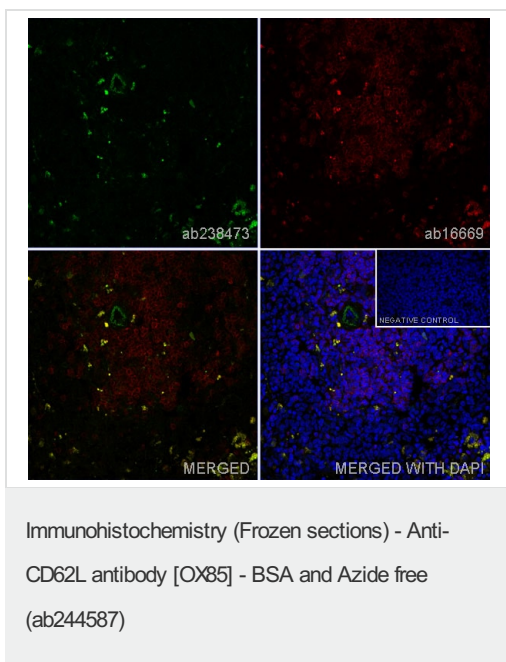


This data was generating using the same clone in a different formulation (ab238473)

Lewis rat splenocytes stained with ab238473 (right) or mouse IgG1k (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 IgG1k Isotype (ab170190) (1×10^6 in $100 \mu\text{l}$ at $0.2 \mu\text{g/ml}$) 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.



This data was developed using the same antibody clone in a different buffer formulation containing PBS and sodium azide (ab238473).

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 $+4^\circ\text{C}$ in TBS containing 0.025% (v/v) Triton X-100 and 1% (w/v) BSA with ab238473 at $1 \mu\text{g/ml}$ 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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