

Product datasheet

Anti-CD82 antibody [B-L2] - BSA and Azide free ab47153

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Overview

Product name	Anti-CD82 antibody [B-L2] - BSA and Azide free
Description	Mouse monoclonal [B-L2] to CD82 - BSA and Azide free
Host species	Mouse
Specificity	Recognises the CD82 antigen, a 60 kDa protein. Cross reacts with mouse CD82 protein in cytometry.
Tested applications	Suitable for: IHC-P, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human CD82. CD82 transfected P815 cell line
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, 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 -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Constituent: 100% PBS
Carrier free	Sterile-filtered through 0.22 µm. Carrier and preservative free Yes
Purity	Ion Exchange Chromatography
Purification notes	Sterile-filtered through 0.22 µm and treated to remove endotoxins. Carrier and preservative free.
Clonality	Monoclonal
Clone number	B-L2

Myeloma	x63-Ag8.653
Isotype	IgG1
Light chain type	kappa

Applications

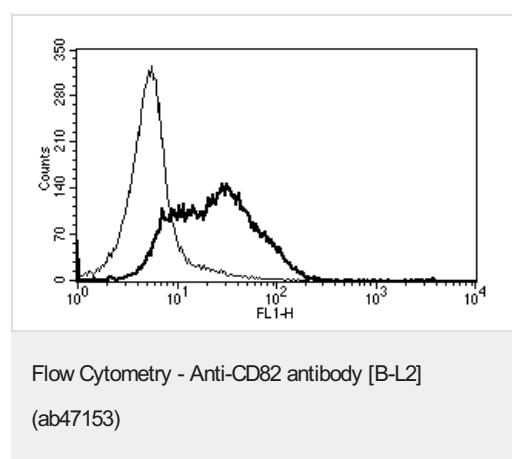
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab47153 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Flow Cyt		Use at an assay dependent concentration. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

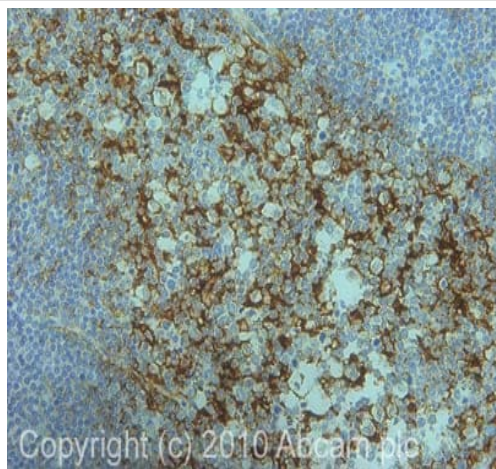
Target

Function	Associates with CD4 or CD8 and delivers costimulatory signals for the TCR/CD3 pathway.
Tissue specificity	Lymphoid specific.
Sequence similarities	Belongs to the tetraspanin (TM4SF) family.
Cellular localization	Membrane.

Images



A typical staining pattern with the B-L2 monoclonal antibody of lymphocytes



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD82 antibody [B-L2] (ab47153)

IHC image of ab47153 staining in human tonsil formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab47153, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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