

Product datasheet

Anti-CD82 antibody [B-L2] ab47153

★★★★★ 1 Abreviews 3 References 3 Images

Overview

Product name	Anti-CD82 antibody [B-L2]
Description	Mouse monoclonal [B-L2] to CD82
Host species	Mouse
Tested applications	Suitable for: IHC-P, IHC-Fr, ICC/IF, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	CD82 transfected P815 cell line

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	Constituent: PBS
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

Applications

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.

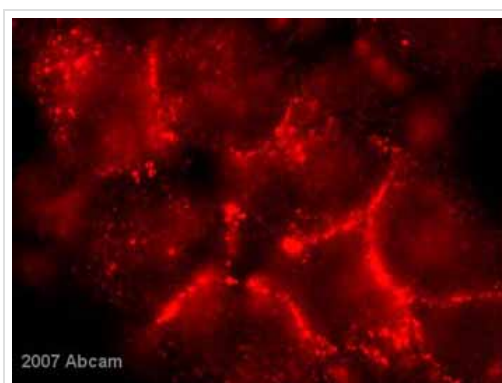
Application	Abreviews	Notes
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration.
ICC/IF	★★★★★	Use at an assay dependent concentration.
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

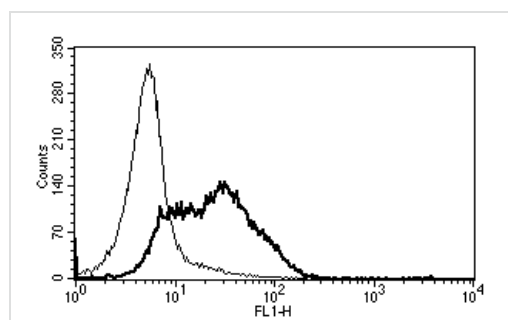


ab47153 staining HeLa cells.

ICC/IF was performed with a standard paraformaldehyde technique (non permeabilized, blocked with 0.2% fish gelatin for 30 min at 25°C). Primary antibody used at 1/200 in 0.12% PBS / fish gelatin for one hour. The secondary antibody was a Cy3-conjugated Goat anti-Mouse.

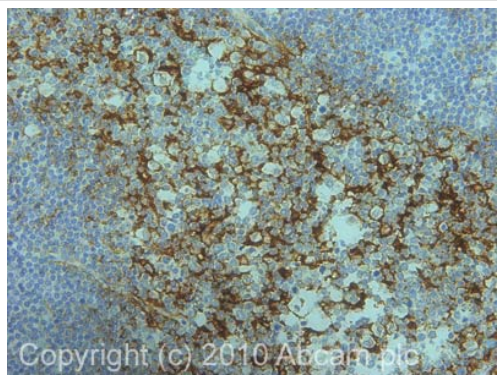
Immunocytochemistry/ Immunofluorescence - Anti-CD82 antibody [B-L2] (ab47153)

This image is courtesy of an Abreview submitted by Dr Lydia Danglot



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

Flow Cytometry - Anti-CD82 antibody [B-L2] (ab47153)



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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