

Product datasheet

Anti-CD82 antibody [TS82b] - BSA and Azide free ab59509

★★★★★ [5 Abreviews](#) [8 References](#) [2 Images](#)

Overview

Product name	Anti-CD82 antibody [TS82b] - BSA and Azide free
Description	Mouse monoclonal [TS82b] to CD82 - BSA and Azide free
Host species	Mouse
Specificity	Recognises the CD82 antigen, a 60 kDa protein.
Tested applications	Suitable for: WB, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human CD82. Jurkat and HEL cell lines
Positive control	Raji and HEL cells
General notes	<p>This product was changed from ascites to tissue culture supernatant on 19th June 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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 (stable for up to 12 months). Do Not Freeze.
Storage buffer	pH: 7.30 Constituent: 100% PBS
	Sterile-filtered through 0.22 µm. Carrier and preservative free
Carrier free	Yes
Purity	Protein A purified

Clonality	Monoclonal
Clone number	TS82b
Myeloma	P3-x63-Ag8
Isotype	IgG1
Light chain type	kappa

Applications

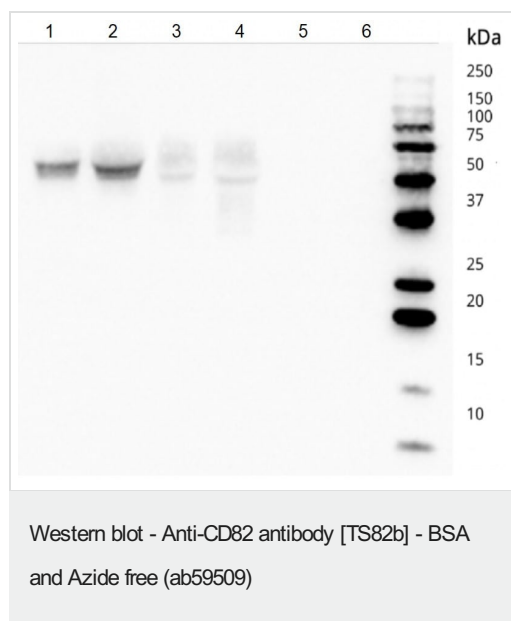
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab59509 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	Use at an assay dependent concentration. Use under non reducing condition. Predicted molecular weight: 37 kDa.
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



All lanes : Anti-CD82 antibody [TS82b] - BSA and Azide free (ab59509) at 1 µg/ml

Lane 1 : Raji (Human Burkitt's lymphoma cell line) whole cell lysate at 25 µg

Lane 2 : Raji whole cell lysate at 50 µg

Lane 3 : HEL (Human bone marrow erythroleukemia cell line) whole cell lysate at 25 µg

Lane 4 : HEL whole cell lysate at 50 µg

Lane 5 : YT whole cell lysate at 25 µg

Lane 6 : YT whole cell lysate at 50 µg

Secondary

All lanes : Anti IgG1-HRP

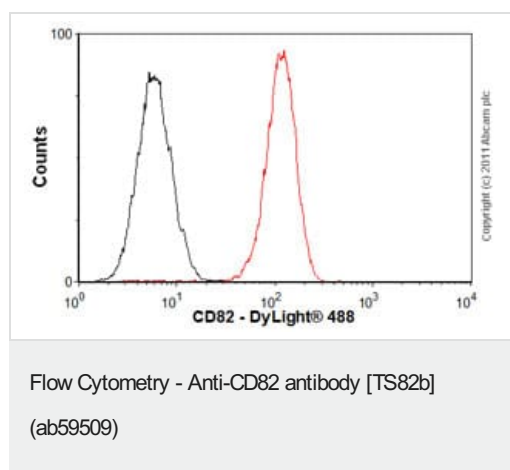
Predicted band size: 37 kDa

Lysis buffer:

- Tris pH7.4, NaCl 150 mM, CaCl₂ 2H₂O 1 mM, MgCl₂ 1 mM
Na₃N 0.02%, Triton X100 1%

Gel:

5-15% SDS polyacrylamide.



Overlay histogram showing HeLa cells stained with ab59509 (red line). The cells were fixed with 80% methanol (5 min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab59509, 1 µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was a goat **anti-mouse DyLight® 488** (IgG, H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 2 µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

Please note that Abcam do not have any data for use of this antibody on non-fixed cells. We welcome any customer feedback.

This image was generated using the ascites version of the product.

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