


Product datasheet

Anti-CD11a antibody [EP1285Y] ab52895

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [21 References](#) [7 Images](#)

Overview

Product name	Anti-CD11a antibody [EP1285Y]
Description	Rabbit monoclonal [EP1285Y] to CD11a
Host species	Rabbit
Tested applications	Suitable for: WB, IP, Flow Cyt, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Cynomolgus monkey 
Immunogen	Synthetic peptide within Human CD11a aa 1150 to the C-terminus. The exact sequence is proprietary. Database link: P20701
Positive control	WB: Jurkat and TPH-1 whole cell lyates. IHC-P: Human tonsil, Human squamous cell cervical carcinoma. ICC/IF: Jurkat cell line Flow: Jurkat cell line IP: Jurkat whole cell extract
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP1285Y
Isotype	IgG

Applications

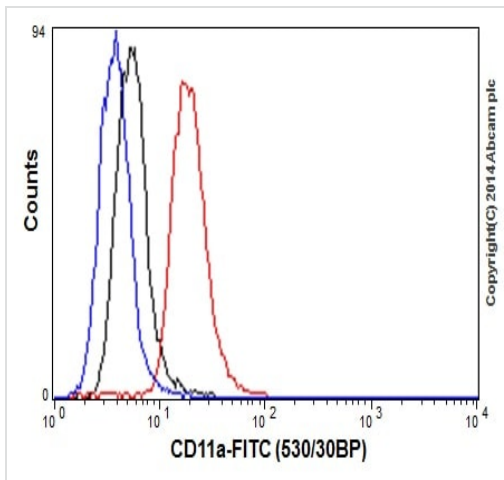
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab52895 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/5000. Detects a band of approximately 180 kDa (predicted molecular weight: 129 kDa).
IP		1/50.
Flow Cyt		1/50. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/100.

Target

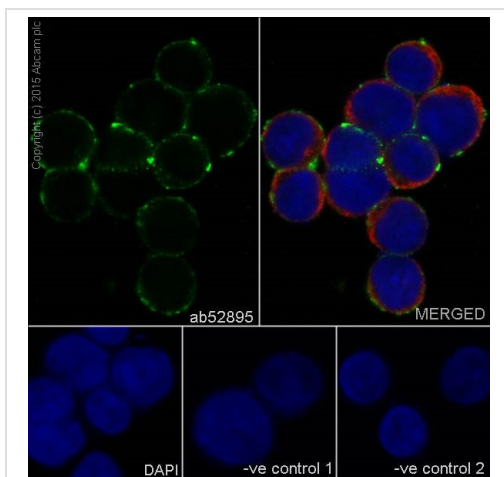
Function	Integrin alpha-L/beta-2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. It is involved in a variety of immune phenomena including leukocyte-endothelial cell interaction, cytotoxic T-cell mediated killing, and antibody dependent killing by granulocytes and monocytes.
Tissue specificity	Leukocytes.
Sequence similarities	Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats. Contains 1 VWFA domain.
Domain	The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage.
Cellular localization	Membrane.

Images



Flow Cytometry - Anti-CD11a antibody [EP1285Y]
(ab52895)

Flow cytometry analysis of 2% paraformaldehyde fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling CD11a with ab52895 at 1/50 dilution (red line). Secondary antibody used is a goat anti rabbit IgG (FITC) at 1/150 dilution. The isotype control is rabbit monoclonal IgG (black line). The unlabeled control is cells without incubation with primary and secondary antibodies (blue line).

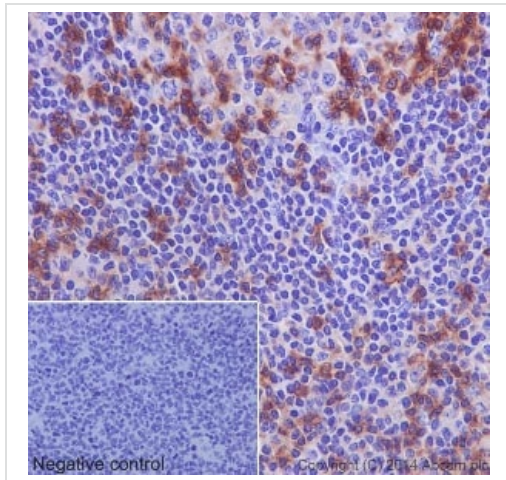


Immunocytochemistry/ Immunofluorescence - Anti-CD11a antibody [EP1285Y] (ab52895)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling CD11a with ab52895 at 1/100 dilution. Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) at 1/400 dilution was used as the secondary antibody (green). Confocal image shows membrane and cytoplasmic staining on Jurkat cells. The nuclear counter stain is DAPI (blue). Tubulin is detected with [ab7291](#) (anti-Tubulin mouse mAb) at 1/500 and [ab150120](#) (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).

The negative controls are as follows;

1. ab52895 at 1/100 dilution followed by [ab150120](#) (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.
2. [ab7291](#) (anti-Tubulin mouse mAb) at 1/500 dilution followed by [ab150077](#) (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/400 dilution.

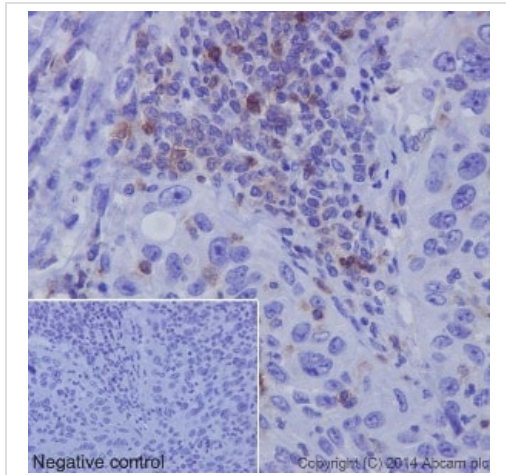


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11a antibody [EP1285Y] (ab52895)

Immunohistochemical analysis of paraffin-embedded Human tonsil labeling CD11a with ab52895 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab79051](#)) at 1/500 dilution.

Membrane/cytoplasm staining on lymphocytes of human tonsil is observed. The negative control utilised PBS instead of primary antibody. Counter stained with Hematoxylin.

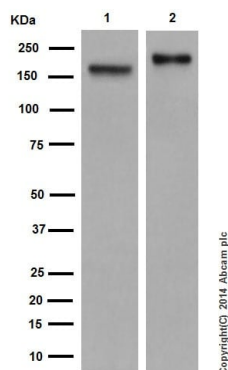
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11a antibody [EP1285Y] (ab52895)

Immunohistochemical analysis of paraffin-embedded Human squamous cell cervical carcinoma labeling CD11a with ab52895 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab79051](#)) at 1/500 dilution. Membrane/cytoplasmic staining on stromal inflammatory cells of human cervical cancer is observed. The negative control utilised PBS instead of primary antibody. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-CD11a antibody [EP1285Y]
(ab52895)

All lanes : Anti-CD11a antibody [EP1285Y] (ab52895) at 1/5000 dilution

Lane 1 : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysates

Lane 2 : THP-1 (Human monocytic leukemia cells) whole cell lysates

Lysates/proteins at 20 µg per lane.

Secondary

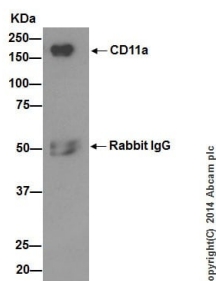
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 129 kDa

Additional bands at: 180 kDa (possible glycosylated form)

Blocking and Dilution buffer: 5% NFDM/TBST

The band in THP-1 cells is higher than that in Jurkat cells due to the different glycosylation level in different materials.



Immunoprecipitation - Anti-CD11a antibody
[EP1285Y] (ab52895)

CD11a was immunoprecipitated from 1mg of Jurkat(Human T cell leukemia cells from peripheral blood) whole cell lysates using ab52895 at 1/50 dilution. Western blot was performed from the immunoprecipitate using ab52895 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1000 dilution.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-CD11a antibody [EP1285Y] (ab52895)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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