



Product datasheet

Anti-CD42b antibody [6H6H10] ab233794

5 Images

Overview

Product name	Anti-CD42b antibody [6H6H10]
Description	Mouse monoclonal [6H6H10] to CD42b
Host species	Mouse
Tested applications	Suitable for: WB, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human CD42b aa 1-200 (extracellular). (Expressed in E.coli). Database link: P07359
	 Run BLAST with  Run BLAST with
Positive control	WB: HL-60, MOLT-4 and Ramos cell lysates; CD42b (aa 17-183)-hlgGfC transfected HEK-293 cell lysate; Human CD42b (aa 17-183) recombinant protein. Flow Cyt: HL-60 and Jurkat cells.
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 long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: PBS
Purity	Protein G purified
Purification notes	Purified from tissue culture supernatant.
Clonality	Monoclonal
Clone number	6H6H10
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab233794 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		1/500 - 1/2000. Predicted molecular weight: 72 kDa.
Flow Cyt		1/200 - 1/400.

Target

Function

GP-Ib, a surface membrane protein of platelets, participates in the formation of platelet plugs by binding to the A1 domain of vWF, which is already bound to the subendothelium.

Involvement in disease

Non-arteritic anterior ischemic optic neuropathy
Bernard-Soulier syndrome
Bernard-Soulier syndrome A2, autosomal dominant
Pseudo-von Willebrand disease

Sequence similarities

Contains 7 LRR (leucine-rich) repeats.
Contains 1 LRRCT domain.
Contains 1 LRRNT domain.

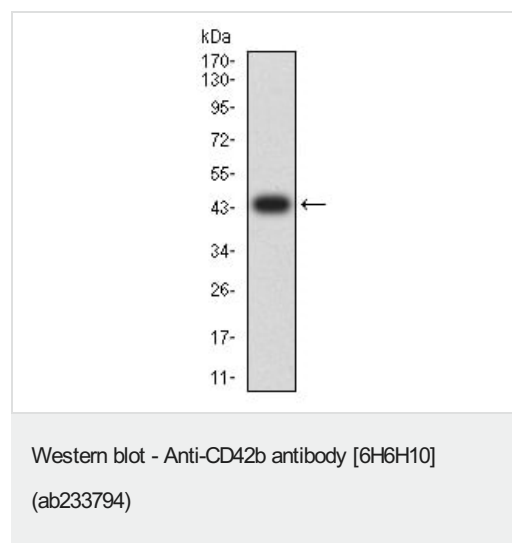
Post-translational modifications

Glycocalicin, which is approximately coextensive with the extracellular part of the molecule, is cleaved off by calpain during platelet lysis.

Cellular localization

Membrane.

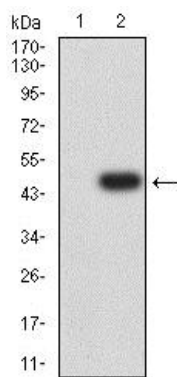
Images



Anti-CD42b antibody [6H6H10] (ab233794) at 1/500 dilution +
Human CD42b (aa 17-183) recombinant protein

Predicted band size: 72 kDa

Expected MW is 44.2 kDa.



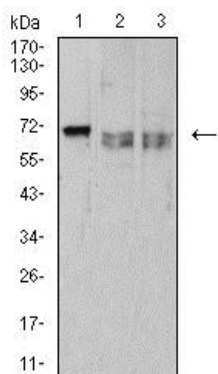
Western blot - Anti-CD42b antibody [6H6H10] (ab233794)

All lanes : Anti-CD42b antibody [6H6H10] (ab233794) at 1/500 dilution

Lane 1 : HEK-293 (human epithelial cell line from embryonic kidney) cell lysate

Lane 2 : CD42b (aa 17-183)-hlgGFc transfected HEK-293 cell lysate

Predicted band size: 72 kDa



Western blot - Anti-CD42b antibody [6H6H10] (ab233794)

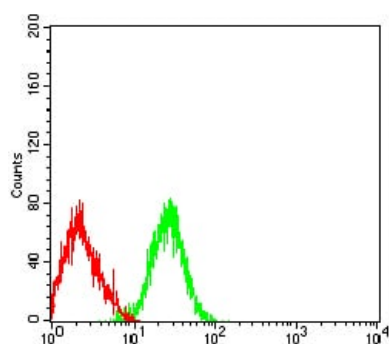
All lanes : Anti-CD42b antibody [6H6H10] (ab233794) at 1/500 dilution

Lane 1 : HL-60 (human epithelial cell line from cervix adenocarcinoma) cell lysate

Lane 2 : MOLT-4 (human lymphoblastic leukemia cell line) cell lysate

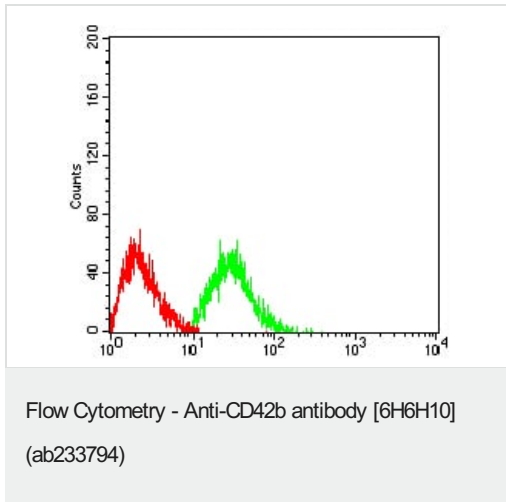
Lane 3 : Ramos (human Burkitt's lymphoma cell line) cell lysate

Predicted band size: 72 kDa



Flow Cytometry - Anti-CD42b antibody [6H6H10] (ab233794)

Flow cytometric analysis of HL-60 (human promyelocytic leukemia cell line) cells labeling CD42b with ab233794 at 1/200 dilution (green) compared with a negative control (red).



Flow cytometric analysis of Jurkat (human T cell leukemia cell line from peripheral blood) cells labeling CD42b with ab233794 at 1/200 dilution (green) compared with a negative control (red).

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