

Product datasheet

Anti-CD42b antibody [VM16d] ab34408

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Overview

Product name	Anti-CD42b antibody [VM16d]
Description	Mouse monoclonal [VM16d] to CD42b
Host species	Mouse
Tested applications	Suitable for: ICC/IF, Functional Studies
Species reactivity	Reacts with: Human
Immunogen	Tissue/ cell preparation containing human CD42b glycoprotein.
Epitope	The epitope is located within the 45 kDa N-terminal domain of GPIb alpha- chain.
General notes	<p>This antibody inhibits low conc. thrombin (<0.1 U/ml) induced platelet aggregation and decreases thrombin binding to platelets. F(ab')₂ and F(ab') fragments are equally effective as whole intact antibodies. It does not affect platelet interaction with von Willebrand factor, leading to the conclusion that the antibody reacts with or nearby the thrombin receptor site.</p> <p>Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by July 2018 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause.</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.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: PBS
Purification notes	Ammonium sulfate + DEAE-cellulose, gradient elution
Primary antibody notes	This antibody inhibits low conc. thrombin (<0.1 U/ml) induced platelet aggregation and decreases thrombin binding to platelets. F(ab') ₂ and F(ab') fragments are equally effective as whole intact antibodies. It does not affect platelet interaction with von Willebrand factor, leading to the conclusion that the antibody reacts with or nearby the thrombin receptor site.
Clonality	Monoclonal
Clone number	VM16d
Isotype	IgG1

Light chain type

kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab34408** 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
ICC/IF		Use at an assay dependent dilution.
Functional Studies		Use at an assay dependent dilution.

Target

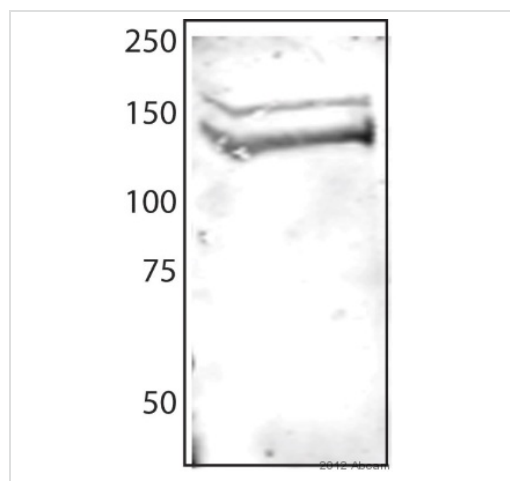
Relevance

CD42b is a platelet activation marker involved in the process of coagulation as an aggregating factor. It interacts with extracellular matrix as well as with adhesion molecules. Its expression and activation seems to be regulated by VEGF and PDGF.

Cellular localization

Cell Membrane

Images



Western blot - Anti-CD42b antibody [VM16d] (ab34408)

This image is courtesy of an anonymous abreview.

Anti-CD42b antibody [VM16d] (ab34408) at 1/50 dilution + Human platelet lysate

Secondary

Odyssey goat polyclonal to mouse IgG (IRDye 680)

Performed under reducing conditions.

Exposure time: 3 minutes

Detection method: Licor System

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