

## Product datasheet

# Anti-CD42b antibody [VM16d] ab34408

★★★★☆ 1 Abreviews 1 References 1 Image

### Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-CD42b antibody [VM16d]  |
| <b>Description</b>         | Mouse monoclonal [VM16d] to CD42b  |
| <b>Host species</b>        | Mouse  |
| <b>Tested applications</b> | <b>Suitable for:</b> ICC/IF, Functional Studies  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human  |
| <b>Immunogen</b>           | Tissue/ cell preparation containing human CD42b glycoprotein.  |
| <b>Epitope</b>             | The epitope is located within the 45 kDa N-terminal domain of GPIb alpha- chain.   |
| <b>General notes</b>       | <p>This antibody inhibits low conc. thrombin (&lt;0.1 U/ml) induced platelet aggregation and decreases thrombin binding to platelets. F(ab')<sub>2</sub> 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

|                               |  |
|-------------------------------|--|
| <b>Form</b>                   | Liquid   |
| <b>Storage instructions</b>   | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.   |
| <b>Storage buffer</b>         | Preservative: 0.09% Sodium azide<br>Constituent: PBS   |
| <b>Purification notes</b>     | Ammonium sulfate + DEAE-cellulose, gradient elution  |
| <b>Primary antibody notes</b> | This antibody inhibits low conc. thrombin (<0.1 U/ml) induced platelet aggregation and decreases thrombin binding to platelets. F(ab') <sub>2</sub> 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. |
| <b>Clonality</b>              | Monoclonal   |
| <b>Clone number</b>           | VM16d  |
| <b>Isotype</b>                | 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

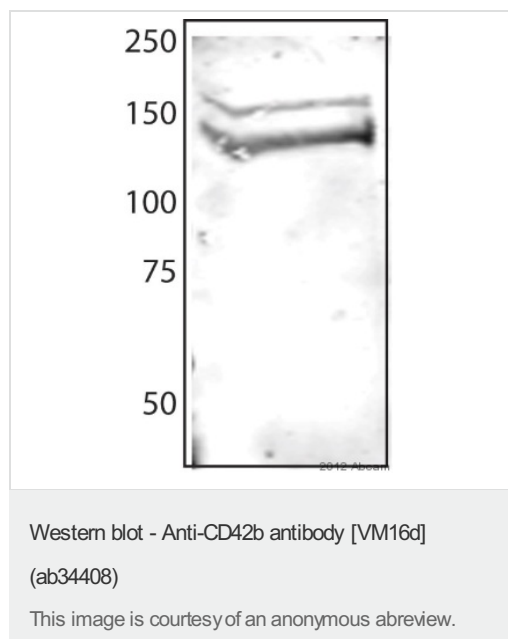
### Relevance

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



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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