

## Product datasheet

# Anti-CD42b antibody [EPR6995] - Low endotoxin, Azide free ab221213

Recombinant **RabMAb**

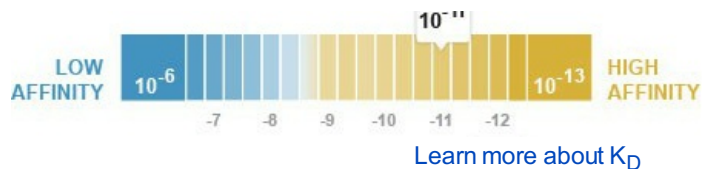
[1 References](#) [3 Images](#)

### Overview

<b>Product name</b>	Anti-CD42b antibody [EPR6995] - Low endotoxin, Azide free
<b>Description</b>	Rabbit monoclonal [EPR6995] to CD42b - Low endotoxin, Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) corresponding to Human CD42b aa 1-100.
<b>Positive control</b>	Human platelet lysate, Human spleen tissue
<b>General notes</b>	ab221213 is a carrier-free antibody designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.  Our <a href="#">Low endotoxin, azide-free formats</a> have low endotoxin level ( $\leq 1$ EU/ml, determined by the LAL assay) and are free from azide, to achieve consistent experimental results in functional assays.  Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.  Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMab<sup>®</sup> patents</a> .  This product is a <a href="#">recombinant rabbit monoclonal antibody</a> .

### 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. Avoid freeze / thaw cycle.
<b>Dissociation constant (K<sub>D</sub>)</b>	K <sub>D</sub> = 4.70 x 10 <sup>-11</sup> M



<b>Storage buffer</b>	pH: 7.20 Constituent: PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR6995
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab221213** 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		Use at an assay dependent concentration. Detects a band of approximately 143 kDa (predicted molecular weight: 69 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

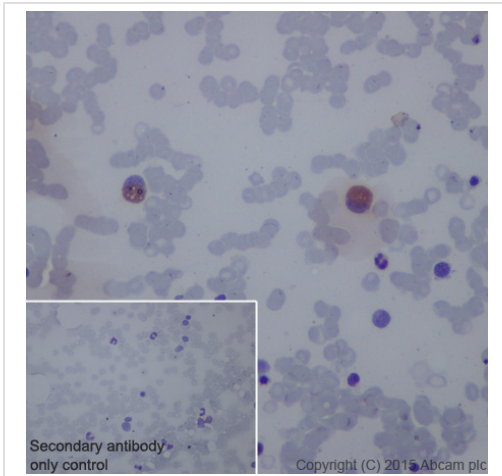
**Application notes**                      Is unsuitable for ICC/IF.

## 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

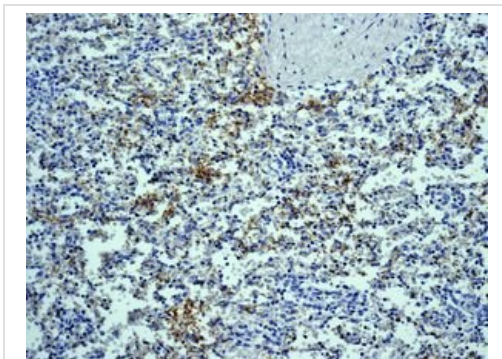


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD42b antibody [EPR6995] - Low endotoxin, Azide free (ab221213)

[ab134087](#) staining CD42b in human bone marrow tissue by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraffin and antigen retrieval was by heat mediation in a EDTA buffer. Samples were incubated with primary antibody at a dilution of 1/250. A goat anti-rabbit IgG H&L (HRP) [ab97051](#) was used as the secondary antibody at 1/500.

**Negative control 1:** PBS in place of primary antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab134087](#)).

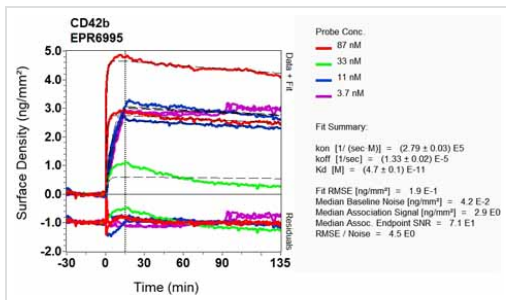


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD42b antibody [EPR6995] - Low endotoxin, Azide free (ab221213)

Immunohistochemical analysis of paraffin embedded Human spleen tissue labelling CD42b with [ab134087](#) at a dilution of 1/100.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab134087](#)).

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Other - Anti-CD42b antibody [EPR6995] - Low  
endotoxin, Azide free (ab221213)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab134087](#)).

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