

## Product datasheet

# Anti-Hemoglobin subunit beta + Hemoglobin subunit delta antibody [EPR8322(B)] - BSA and Azide free ab248384

Recombinant RabMAb

[5 Images](#)

### Overview

<b>Product name</b>	Anti-Hemoglobin subunit beta + Hemoglobin subunit delta antibody [EPR8322(B)] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR8322(B)] to Hemoglobin subunit delta + Hemoglobin subunit beta - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>General notes</b>	<p>ab248384 is the carrier-free version of <a href="#">ab131225</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p>

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR8322(B)
<b>Isotype</b>	IgG

## Applications

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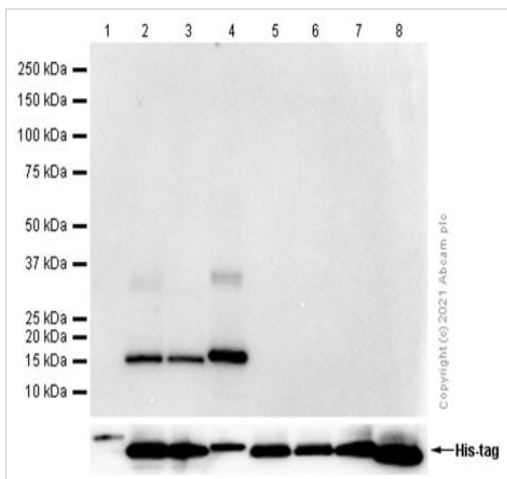
**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab248384 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 16 kDa (predicted molecular weight: 16 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

**Application notes** Is unsuitable for IP.

## Images

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Western blot - Anti-Hemoglobin subunit beta + Hemoglobin subunit delta antibody [EPR8322(B)] - BSA and Azide free (ab248384)

**All lanes** : Anti-Hemoglobin subunit beta + Hemoglobin subunit delta antibody [EPR8322(B)] ([ab131225](#)) at 1/200 dilution

**Lane 1** : Recombinant Human Hemoglobin subunit alpha protein (denatured) ([ab131697](#))

**Lane 2** : His-tagged human Hemoglobin subunit beta/ba1 (aa 3-147) recombinant protein

**Lane 3** : His-tagged human Hemoglobin subunit delta (aa 3-147) recombinant protein

**Lane 4** : His-tagged full length human Hemoglobin subunit delta recombinant protein

**Lane 5** : His-tagged human Hemoglobin subunit epsilon (aa 3-147) recombinant protein

**Lane 6** : His-tagged human Hemoglobin subunit gamma-2 (aa 2-147) recombinant protein

**Lane 7** : His-tagged human Hemoglobin subunit gamma-1 (aa 2-147) recombinant protein

**Lane 8** : Recombinant Human Hemoglobin subunit zeta protein ([ab95347](#))

Lysates/proteins at 0.1 µg per lane.

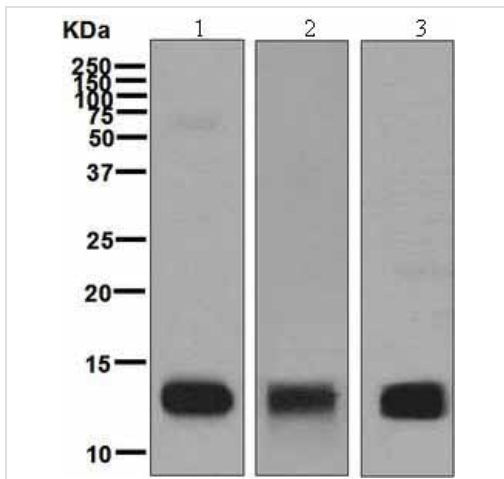
### Secondary

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

**Predicted band size:** 16 kDa

Blocking/Diluting buffer and concentration: 5% NFDM/TBST

Exposure time: 100 seconds



Western blot - Anti-Hemoglobin subunit beta + Hemoglobin subunit delta antibody [EPR8322(B)] - BSA and Azide free (ab248384)

**All lanes :** Anti-Hemoglobin subunit beta + Hemoglobin subunit delta antibody [EPR8322(B)] ([ab131225](#)) at 1/1000 dilution

**Lane 1 :** Human fetal heart tissue lysate

**Lane 2 :** Human fetal liver tissue lysate

**Lane 3 :** Human red blood cell (RBC) lysate

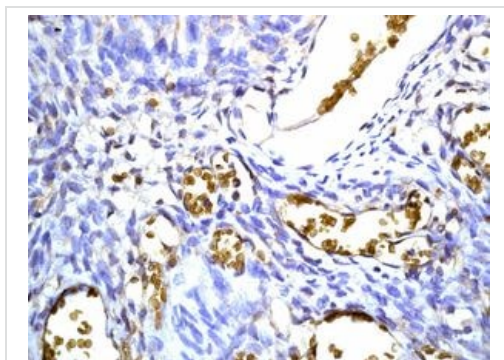
Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** Goat anti-Rabbit HRP at 1/2000 dilution

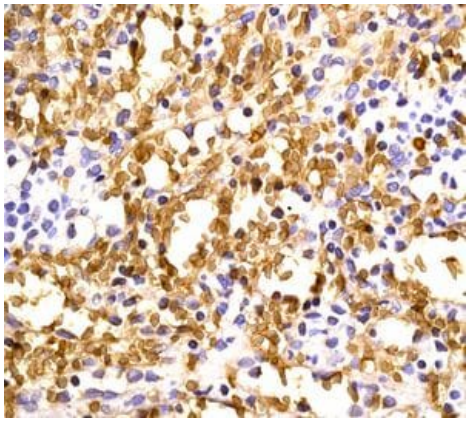
**Predicted band size:** 16 kDa

This data was developed using [ab131225](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hemoglobin subunit beta + Hemoglobin subunit delta antibody [EPR8322(B)] - BSA and Azide free (ab248384)

This data was developed using [ab131225](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin embedded Human endometrium tissue labelling Hemoglobin subunit delta with [ab131225](#) at 1/250 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hemoglobin subunit beta + Hemoglobin subunit delta antibody [EPR8322(B)] - BSA and Azide free (ab248384)

This data was developed using **ab131225**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin embedded Human spleen tissue labelling Hemoglobin subunit delta with **ab131225** at 1/250 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

### Why choose a recombinant antibody?

 <b>Research with confidence</b> Consistent and reproducible results	 <b>Long-term and scalable supply</b> Recombinant technology
 <b>Success from the first experiment</b> Confirmed specificity	 <b>Ethical standards compliant</b> Animal-free production

Anti-Hemoglobin subunit beta + Hemoglobin subunit delta antibody [EPR8322(B)] - BSA and Azide free (ab248384)

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

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