

Product datasheet

Anti-CD81 antibody [EPR4244] ab109201

Recombinant RabMAb

★★★★☆ 5 Abreviews 119 References 4 Images

Overview

Product name	Anti-CD81 antibody [EPR4244]
Description	Rabbit monoclonal [EPR4244] to CD81
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Ramos, JAR, U87-MG, IM-9, peripheral blood mononuclear cell (PBMC), C6, PC-12, and RAW264.7 cell lysates.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.</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. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide

	Constituents: 40% Glycerol, 59% PBS, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR4244
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab109201 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	★★★★☆ (5)	1/1000 - 1/10000. Predicted molecular weight: 26 kDa. For unpurified use at 1/500 - 1/1000. For WB related protocols, please refer to the Protocols section below.

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

Target

Function May play an important role in the regulation of lymphoma cell growth. Interacts with a 16-kDa Leu-13 protein to form a complex possibly involved in signal transduction. May acts a the viral receptor for HCV.

Tissue specificity Hematolymphoid, neuroectodermal and mesenchymal tumor cell lines.

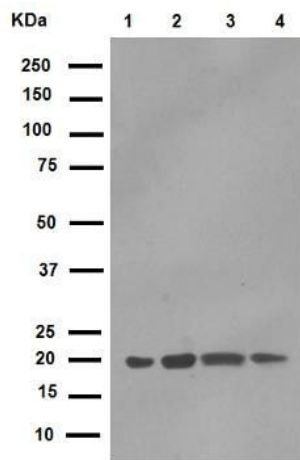
Involvement in disease Defects in CD81 are the cause of immunodeficiency common variable type 6 (CVID6) [MIM:613496]; also called antibody deficiency due to CD81 defect. CVID6 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B cells is usually in the normal range, but can be low.

Sequence similarities Belongs to the tetraspanin (TM4SF) family.

Post-translational modifications Not glycosylated.

Cellular localization Membrane.

Images



Western blot - Anti-CD81 antibody [EPR4244] (ab109201)

All lanes : Anti-CD81 antibody [EPR4244] (ab109201) at 1/700 dilution (unpurified)

Lane 1 : Ramos cell lysate

Lane 2 : U87-MG cell lysate

Lane 3 : PC-12 cell lysate

Lane 4 : Raw264.7 cell lysate

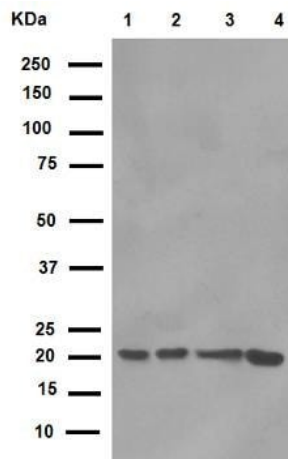
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Peroxidase-conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 26 kDa

Observed band size: 20 kDa



Western blot - Anti-CD81 antibody [EPR4244] (ab109201)

All lanes : Anti-CD81 antibody [EPR4244] (ab109201) at 1/2000 dilution (purified)

Lane 1 : Ramos cell lysate

Lane 2 : U87-MG cell lysate

Lane 3 : PC-12 cell lysate

Lane 4 : Raw264.7 cell lysate

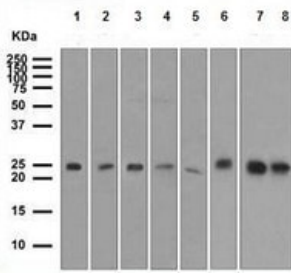
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Peroxidase-conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 26 kDa

Observed band size: 20 kDa



Western blot - Anti-CD81 antibody [EPR4244] (ab109201)

All lanes : Anti-CD81 antibody [EPR4244] (ab109201) at 1/1000 dilution (unpurified)

Lane 1 : Ramos cell lysate

Lane 2 : JAR cell lysate

Lane 3 : U87-MG cell lysate

Lane 4 : IM-9 cell lysate

Lane 5 : Peripheral blood mononuclear cell (PBMC) cell lysate

Lane 6 : C6 cell lysate

Lane 7 : PC-12 cell lysate

Lane 8 : RAW264.7 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab6721)

Predicted band size: 26 kDa

Why choose a recombinant antibody?

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

Anti-CD81 antibody [EPR4244] (ab109201)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors