

Product datasheet

Anti-IgG1 antibody [EPR4417] ab108969

Recombinant RabMAb

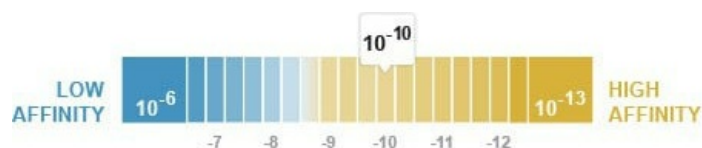
[1 References](#) [4 Images](#)

Overview

Product name	Anti-IgG1 antibody [EPR4417]
Description	Rabbit monoclonal [EPR4417] to IgG1
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human tonsil and human spleen 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>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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. Avoid freeze / thaw cycle. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K _D = 3.87 x 10 ⁻¹⁰ M



[Learn more about K_D](#)

Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR4417
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab108969 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

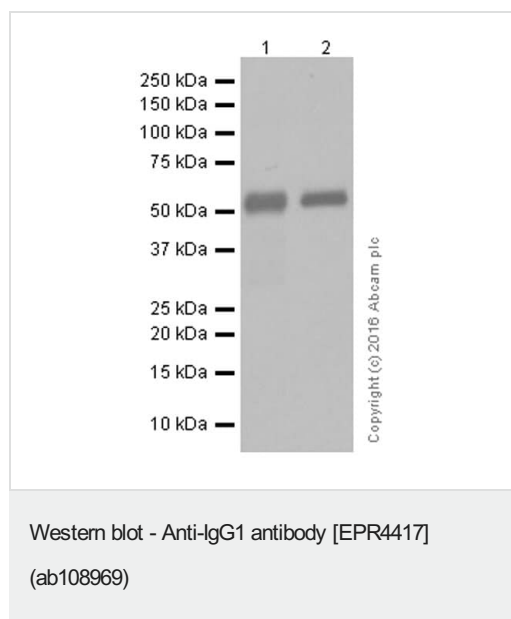
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 36 kDa.

Target

Relevance There are four IgG subclasses (IgG1, 2, 3 and 4) in humans, named in order of their abundance in serum (IgG1 being the most abundant).

Cellular localization Secreted. Cell membrane; Single-pass membrane protein

Images



All lanes : Anti-IgG1 antibody [EPR4417] (ab108969) at 1/10000 dilution (purified)

Lane 1 : Human tonsil lysate

Lane 2 : Human spleen lysate

Lysates/proteins at 20 µg per lane.

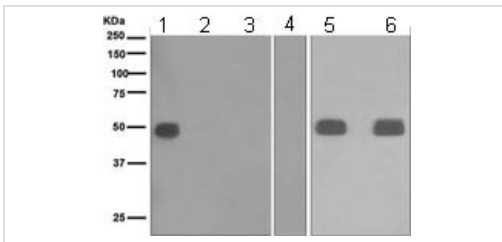
Secondary

All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

Predicted band size: 36 kDa

Observed band size: 52 kDa

Blocking and diluting buffer: 5% NFD/MTBST.



Western blot - Anti-IgG1 antibody [EPR4417]
(ab108969)

All lanes : Anti-IgG1 antibody [EPR4417] (ab108969) at 1/1000 dilution (unpurified)

Lane 1 : IgG1 at 0.01 µg

Lane 2 : IgG2 at 0.01 µg

Lane 3 : IgG3 at 0.01 µg

Lane 4 : IgG4 at 0.01 µg

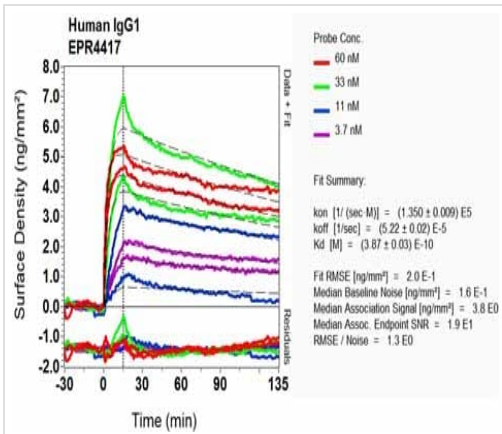
Lane 5 : Human tonsil lysate at 10 µg

Lane 6 : Human spleen lysate at 10 µg

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 36 kDa



O1-RD Scanning - Anti-IgG1 antibody [EPR4417]
(ab108969)

Equilibrium dissociation constant (K_D)

Learn more about K_D

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

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-IgG1 antibody [EPR4417] (ab108969)

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