

# Anti-TRAP/CD40L antibody [EPR20466-219] - BSA and Azide free (Detector) ab275284

Recombinant RabMAb

2 Images

## Overview

<b>Product name</b>	Anti-TRAP/CD40L antibody [EPR20466-219] - BSA and Azide free (Detector)
<b>Description</b>	Rabbit monoclonal [EPR20466-219] to TRAP/CD40L - BSA and Azide free (Detector)
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Sandwich ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
<b>General notes</b>	<p>ab275284 is a BSA and Azide Free antibody supplied in an unconjugated format and it is suitable for sandwich ELISAs to quantify Mouse CD40L. The recommended pair for sandwich ELISA is:</p> <p>Capture: <b>ab275283</b>, Mouse CD40L (TNFSF5) Capture Antibody (unconjugated)</p> <p>Detector: ab275284, Mouse CD40L (TNFSF5) Detector Antibody (unconjugated)</p> <p>The reference range value is 17.188 - 1100 pg/ml.</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>The recommended antibody orientation is based on internal optimization for ELISA-based assays. Antibody orientation is assay dependent and needs to be optimized for each assay type. Please note that the range provided for this antibody is only an estimation based on the performance of the product using the recommended antibody pair. Performance of the antibody pair will depend on the specific characteristics of your assay. We guarantee the product works in sandwich ELISA, but we do not guarantee the sensitivity or dynamic range of the antibody in your assay.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p>

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

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

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Constituent: 100% PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR20466-219
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab275284 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
<b>Sandwich ELISA</b>		Use at an assay dependent concentration. Can be paired for Sandwich ELISA with <a href="#">PE / R-Phycoerythrin Conjugation Kit - Lightning-Link® (ab102918)</a> and <a href="#">Streptavidin Conjugation Kit - Lightning-Link® (ab102921)</a> and <a href="#">Biotinylation Kit / Biotin Conjugation Kit (Fast and Type A) - Lightning-Link® (ab201795)</a> and <a href="#">Rabbit monoclonal [EPR20466-237] to TRAP/CD40L - BSA and Azide free (Capture) (ab275283)</a> .

## Target

<b>Function</b>	Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL-4. Involved in immunoglobulin class switching. Release of soluble CD40L from platelets is partially regulated by GP IIb/IIIa, actin polymerization, and an matrix metalloproteinases (MMP) inhibitor-sensitive pathway.
<b>Tissue specificity</b>	Specifically expressed on activated CD4+ T-lymphocytes.
<b>Involvement in disease</b>	Defects in CD40LG are the cause of X-linked immunodeficiency with hyper-IgM type 1 (HIGM1) [MIM:308230]; also known as X-linked hyper IgM syndrome (XHIM). HIGM1 is an immunoglobulin isotype switch defect characterized by elevated concentrations of serum IgM and decreased amounts of all other isotypes. Affected males present at an early age (usually within the first year

of life) recurrent bacterial and opportunistic infections, including *Pneumocystis carinii* pneumonia and intractable diarrhea due to cryptosporidium infection. Despite substitution treatment with intravenous immunoglobulin, the overall prognosis is rather poor, with a death rate of about 10% before adolescence.

#### Sequence similarities

Belongs to the tumor necrosis factor family.

#### Post-translational modifications

The soluble form derives from the membrane form by proteolytic processing.

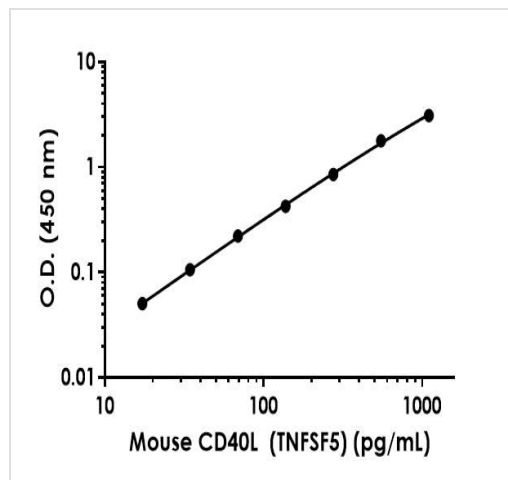
N-linked glycan is a mixture of high mannose and complex type. Glycan structure does not influence binding affinity to CD40.

Not O-glycosylated.

#### Cellular localization

Secreted and Cell membrane.

### Images



Representative standard curve from corresponding SimpleStep ELISA® Kit ([ab275105](#)).

Sandwich ELISA - Anti-TRAP/CD40L antibody  
[EPR20466-219] - BSA and Azide free (Detector)  
(ab275284)

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-TRAP/CD40L antibody [EPR20466-219] - BSA and Azide free (Detector) (ab275284)

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

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