

Anti-ICOS Ligand/ICOSL antibody [EPR20786] - BSA and Azide free ab239524

Recombinant RabMAb

3 Images

Overview

Product name	Anti-ICOS Ligand/ICOSL antibody [EPR20786] - BSA and Azide free
Description	Rabbit monoclonal [EPR20786] to ICOS Ligand/ICOSL - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Untreated HUVEC whole cell lysate and HUVEC whole cell lysate treated with TNF-alpha.
General notes	ab239524 is the carrier-free version of ab230946 .

Our **carrier-free** 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.

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.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- 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

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR20786
Isotype	IgG

Applications

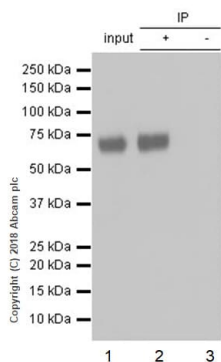
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab239524 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 60 kDa (predicted molecular weight: 33 kDa).
IP		Use at an assay dependent concentration.

Target

Function	Ligand for the T-cell-specific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells. Could play an important role in mediating local tissue responses to inflammatory conditions, as well as in modulating the secondary immune response by co-stimulating memory T-cell function.
Tissue specificity	Isoform 1 is widely expressed (brain, heart, kidney, liver, lung, pancreas, placenta, skeletal muscle, bone marrow, colon, ovary, prostate, testis, lymph nodes, leukocytes, spleen, thymus and tonsil), while isoform 2 is detected only in lymph nodes, leukocytes and spleen. Expressed on activated monocytes and dendritic cells.
Sequence similarities	Belongs to the immunoglobulin superfamily. BTN/MOG family. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Cellular localization	Membrane.

Images



Immunoprecipitation - Anti-ICOS Ligand/ICOSL antibody [EPR20786] - BSA and Azide free (ab239524)

ICOS Ligand/ICOSL was immunoprecipitated from 0.35 mg JAR (human placenta choriocarcinoma cell line) whole cell lysate with **ab230946** at 1/30 dilution. Western blot was performed from the immunoprecipitate using **ab230946** at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/1000 dilution.

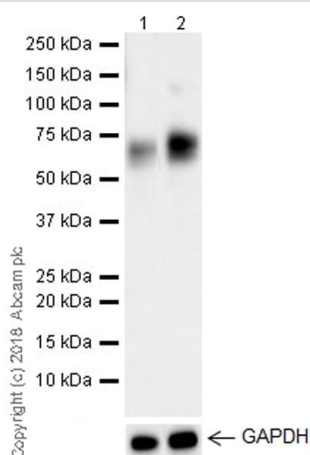
Lane 1: JAR (human placenta choriocarcinoma cell line) whole cell lysate 10 µg (Input).

Lane 2: **ab230946** IP in JAR whole cell lysate (+).

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab230946** in JAR whole cell lysate (-).

Blocking/Dilution buffer and concentration: 5% NFDm/TBST.
Exposure time: 10 seconds.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab230946**).



Western blot - Anti-ICOS Ligand/ICOSL antibody [EPR20786] - BSA and Azide free (ab239524)

All lanes : Anti-ICOS Ligand/ICOSL antibody [EPR20786] (**ab230946**) at 1/1000 dilution

Lane 1 : Untreated HUVEC (human umbilical vein endothelial cell line) whole cell lysate

Lane 2 : HUVEC whole cell lysate treated with tumor necrosis factor (TNF-alpha, **ab9642**) 200 unit/ml for 24 hours

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 33 kDa

Observed band size: 60 kDa


Blocking and dilution buffer: 5% NFDm/TBST.

Exposure time: 58 seconds.

The level of ICOS Ligand/ICOSL expression can be elevated by TNF-alpha treatment (PMID 11983910, PMID 16049332).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab230946**).

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

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BSA and Azide free (ab239524)

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

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