abcam

ab245690

Anti-CD172 gamma antibody [OX117]

Recombinant

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	Preservative: 0.02% Proclin 300 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Full Length Protein corresponding to Human SIRPG. Database link Q9P1W8
Clone number	OX117
Purification technique	Affinity purification Protein A
Light chain type	lambda
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	1 µg/mL
Notes	-

Target data

See full target information SIRPG

Function	Probable immunoglobulin-like cell surface receptor. On binding with CD47, mediates cell-cell adhesion. Engagement on T-cells by CD47 on antigen-presenting cells results in enhanced antigen-specific T-cell proliferation and costimulates T-cell activation.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	CD172 gamma also known as SIRP gamma or signal-regulatory protein gamma is part of the signal-regulatory protein family. This protein has a molecular mass of approximately 44 kDa. CD172 gamma is a transmembrane protein expressed mainly on the surface of immune cells including T lymphocytes and to a lesser extent on other specific blood cells. It acts through its extracellular Ig-like domains which enable it to participate in cell-cell interactions.
Biological function summary	CD172 gamma plays a role in immune response modulation. It functions as a part of a receptor complex that assists in cell signaling and communication. This involvement includes facilitating interactions between immune cells and presenting antigens which can impact cell activation and response. CD172 gamma has specific interactions that contribute to the regulation of the immune system further enhancing its role in defining cellular activity.
Pathways	CD172 gamma engages in immune signaling pathways. This protein is notably associated with the antigen presentation pathway where it plays a significant role in adaptive immune response. It works in conjunction with other proteins like SIRP alpha and SIRP beta forming a network that modulates immune cell signaling and

activity. It influences the pathway interactions that determine how immune cells respond to various stimuli.

Associated diseases and disorders

CD172 gamma has connections to immune-related conditions. In particular this protein has been studied in the context of autoimmune diseases where its role in immune signaling can affect disease progression. It is also linked to certain hematological disorders influencing the behavior of blood cells. CD172 gamma interacts with proteins like CD47 in these disease processes playing a distinct role in the modulation and potential progression of these conditions.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

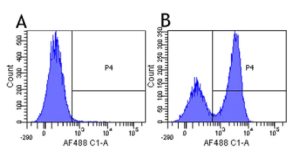
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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1 product image



Flow Cytometry - Anti-CD172 gamma antibody [OX117] (ab245690)

CD172 gamma Flow Cytometry staining using rabbit Anti-CD172 gamma antibody

Human lymphocytes were stained with an isotype control (Panel A) or ab245690 (Panel B) at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using an AF488 conjugated donkey anti-rabbit antibody (ab150073).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.