

Mouse anti-Human CD172g Monoclonal Antibody | anti-CD172g antibody

Anti-Hu CD172g Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129113	Mouse	Human	Immunoprecipitation, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD172g; Monoclonal Antibody; Anti-Hu CD172g Purified; SIRP gamma; SIRP-B2; signal regulatory protein gamma; anti-CD172g antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	OX-119
Specificity	The mouse monoclonal antibody OX-119 recognizes an extracellular epitope on CD172g, an approximately 55kDa transmembrane glycoprotein expressed on most T cells, as well as on NK cells and some B cell populations.
Purity/Purification	Purified by protein-A affinity chromatography
Form/Format	Purified. Phosphate buffered saline (PBS) solution with 15mM sodium azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD172g antibody	IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Immunogen	recombinant human CD172g
Preparation and Storage	Store at 2-8 degree C. Do not freeze. Do not use after expiration date stamped on the label.

ADDITIONAL INFORMATION

Related Product Information for anti-CD172g antibody	CD172g is a transmembrane glycoprotein, which may play a role in inter-T cellular signaling by binding CD47, and thus in influencing T cell behaviour. CD172g is expressed on mature thymocytes, CD4+ T cells, CD8+ T cells, NK cells, and some B cells. It is absent on myeloid cells. Engagement of CD172g by CD47 expressed on antigen presenting cells results in enhanced antigen-specific T cell proliferation and costimulates T cell activation.
References	*Nettleship JE, Ren J, Rahman N, Berrow NS, Hatherley D, Barclay AN, Owens RJ: A pipeline for the production of antibody fragments for structural studies using transient expression in HEK 293T cells. Protein Expr Purif. 2008 Nov;62(1):83-9, URL: https://pubmed.ncbi.nlm.nih.gov/18662785/ ; *Brooke G, Holbrook JD, Brown MH, Barclay AN: Human lymphocytes interact directly with CD47 through a novel member of the signal regulatory protein (SIRP) family. J Immunol. 2004 Aug 15;173(4):2562-70, URL: https://pubmed.ncbi.nlm.nih.gov/15294972/

NCBI AND UNIPROT INFORMATION

NCBI GI #	94538339
NCBI GeneID	55423
NCBI Accession #	NP_001034597.1
NCBI GenBank Nucleotide #	NM_001039508.1

UniProt Accession #	Q9P1W8; Q5D051; Q5JV25; Q5MKL4; Q8WWA5; Q9NQK8; B1AKP6
Molecular Weight	42,498 Da
NCBI Official Full Name	signal-regulatory protein gamma isoform 3
NCBI Official Synonym Full Names	signal-regulatory protein gamma
NCBI Official Symbol	SIRPG
NCBI Official Synonym Symbols	CD172g; SIRPB2; SIRP-B2; bA77C3.1; SIRPgamma
NCBI Protein Information	signal-regulatory protein gamma; SIRP-gamma; SIRP beta 2; SIRP-beta-2; CD172g antigen; signal-regulatory protein beta 2; signal-regulatory protein beta-2; CD172 antigen-like family member B
UniProt Protein Name	Signal-regulatory protein gamma
UniProt Gene Name	SIRPG
UniProt Synonym Gene Names	SIRPB2; SIRP-gamma; SIRP-b2; SIRP-beta-2
UniProt Entry Name	SIRPG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd172g-antibody-clone-ox-119-immunoprecipitation-flow-cytometry-elisa/129113>