10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

Anti-CD172g Antibody
Catalog # AP53980

Specification

Anti-CD172g Antibody - Product Information

Application	**WB**
Primary Accession	Q9P1W8
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**42498**

Anti-CD172g Antibody - Additional Information

Gene ID 55423

Other Names
SIRPB2; Signal-regulatory protein gamma; SIRP-gamma; CD172 antigen-like family member B; Signal-regulatory protein beta-2; SIRP-b2; SIRP-beta-2; CD172g

Target/Specificity
Recognizes endogenous levels of CD172g protein.

Dilution
WB~~1/500 - 1/1000

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

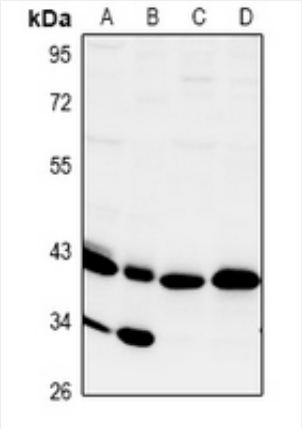
Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-CD172g Antibody - Protein Information

Name SIRPG

Synonyms SIRPB2

Function
Probable immunoglobulin-like cell surface receptor. On binding with CD47, mediates cell-cell adhesion. Engagement on T-cells



Western blot analysis of CD172g expression in AML12 (A), PC12 (B), LO2 (C), HEK293T (D) whole cell lysates.

Anti-CD172g Antibody - Background

Rabbit polyclonal antibody to CD172g

by CD47 on antigen-presenting cells results in enhanced antigen- specific T-cell proliferation and costimulates T-cell activation.

Cellular Location
Membrane; Single- pass type I membrane protein

Tissue Location
Detected in liver, and at very low levels in brain, heart, lung, pancreas, kidney, placenta and skeletal muscle. Expressed on CD4+ T-cells, CD8+ T-cells, CD56-bright natural killer (NK) cells, CD20+ cells, and all activated NK cells. Mainly present in the paracortical T-cell area of lymph nodes, with only sparse positive cells in the mantle and in the germinal center of B-cell follicles. In the thymus, primarily expressed in the medulla on mature T-lymphocytes that have undergone thymic selection.

Anti-CD172g Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture