

## Monoclonal Antibody to CD172g / SIRPG - PE

<b>Alternate names:</b>	CD172 antigen-like family member B, SIRP gamma, SIRP-b2, SIRP-beta-2, SIRPB2, Signal-regulatory protein beta-2, Signal-regulatory protein gamma
<b>Catalog No.:</b>	AM05600RP-N
<b>Quantity:</b>	100 Tests
<b>Concentration:</b>	0,1 mg/ml
<b>Background:</b>	SIRP gamma, also known as CD172g, is expressed on most T lymphocytes and a subset of B-cells but is absent on myeloid cells. CD172g has a truncated cytoplasmic tail, which is similar to SIRP beta, but unlike SIRP beta CD172g does not require DAP12 for expression at the cell surface. CD172g, like SIRP alpha, binds to CD47 inducing apoptosis. It is also involved in the negative regulation of receptor tyrosine kinase-coupled signalling.
<b>Uniprot ID:</b>	<a href="#">Q9P1W8</a>
<b>NCBI:</b>	<a href="#">NP_001034597.1</a>
<b>GeneID:</b>	<a href="#">55423</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	OX119
<b>Immunogen:</b>	Purified recombinant SIRPgamma.CD4.
<b>Format:</b>	<b>State:</b> Lyophilised purified IgG <b>Purification:</b> Affinity chromatography on Protein G <b>Buffer System:</b> Phosphate buffered saline pH7.4 containing 0.09% Sodium Azide (NaN <sub>3</sub> ) and 1% Bovine Serum Albumin <b>Label:</b> PE – R. Phycoerythrin (RPE) <b>Reconstitution:</b> Reconstitute with 1.0ml distilled water
<b>Applications:</b>	Flow Cytometry: 1/10. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises SIRP gamma, a 55kD signal regulatory protein which is a member of the immunoglobulin gene superfamily. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
<b>Caution:</b>	(A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by

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trained staff only.

- General Readings:** 1. 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. PubMed PMID: 15294972.

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