

Anti-SIRP g [OX-119] Bulk Size Ab00589-10.6-BT

This is a Fab fragment with a his-tag.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human Fab fragment, His-Tagged, Kappa

Clone Number: OX-119

Alternative Name(s) of Target: CD172g; OX119; MRC OX-119; MRC OX119; SIRP-g; SIRPg; SIRP gamma; SIRP-gamma; CD172 antigen-like family member B; signal-regulatory protein beta; CD172-g

UniProt Accession Number of Target Protein: Q9P1W8

Published Application(s): IP, Block, ELISA, FC

Published Species Reactivity: Human

Immunogen: OX-119 was prepared by immunizing BALB/c mice with a chimeric protein made up of human SIRPg and a leader peptide of rat CD4 domain (SIRPg-CD4).

Specificity: Hybridoma supernatants were initially screened by ELISA, using SIRPg-CD4, human SIRPa-Fc, human SIRPb-Fc or CD4 to eliminate hybridomas with cross-reactivity to rat CD4, human SIRPa, and SIRPb. There is some marginal binding of OX-119 to SIRPb transfected 293T cells. SIRPg binds CD47. 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. Expressed on CD4+ T-cells, CD8+ T-cells, CD56-bright natural killer (NK) cells, CD20+ cells, and all activated NK cells..

Application Notes: OX-119 is able to perform staining of peripheral blood myeloid cells (PBMCs) and block SIRPg-mediated apoptosis. OX-119 can also be used in IP, FC and ELISA.

Antibody First Published in: Brooke et al Human lymphocytes interact directly with CD47 through a novel member of the signal regulatory protein (SIRP) family. J Immunol 173:2562-70 2004 [PMID:15294972](#)

Note on publication: Describes the determination of OX-119 specificity by ELISA, FC and IP and describes use of OX-119 to observe the distribution of SIRPg expression and its ability to block SIRPg-mediated apoptosis.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification:

Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.