

ARG23631 anti-CD172g / SIRP gamma antibody [OX119] (PE)

Package: 50 tests
Store at: 4°C

Summary

| | |
|---------------------|--|
| Product Description | PE-conjugated Mouse Monoclonal antibody [OX119] recognizes CD172g / SIRP gamma. This product recognizes human SIRP gamma, a 55 kDa signal regulatory protein which is a member of the immunoglobulin gene superfamily. 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. |
| Tested Reactivity | Hu |
| Tested Application | FACS |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | OX119 |
| Isotype | IgG1 |
| Target Name | CD172g / SIRP gamma |
| Species | Human |
| Immunogen | Purified recombinant SIRP gamma. |
| Conjugation | PE |
| Alternate Names | SIRPgamma; CD antigen CD172g; CD172g; CD172 antigen-like family member B; bA77C3.1; SIRP-b2; SIRPB2; SIRP-B2; SIRP-gamma; Signal-regulatory protein beta-2; Signal-regulatory protein gamma; SIRP-beta-2 |

Application Instructions

| Application table | <table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>FACS</td><td>Neat - 1:10</td></tr> </table> | Application | Dilution | FACS | Neat - 1:10 |
|-------------------|---|-------------|----------|------|-------------|
| Application | Dilution | | | | |
| FACS | Neat - 1:10 | | | | |
| Application Note | <p>FACS: Use 10 µl of the suggested working dilution to label 10⁶ cells in 100 µl.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p> | | | | |

Properties

| | |
|--------------|---|
| Form | Liquid |
| Purification | Purification with Protein G. |
| Buffer | PBS, 0.09% Sodium azide, 1% BSA and 5% Sucrose. |
| Preservative | 0.09% Sodium azide |
| Stabilizer | 1% BSA and 5% Sucrose |

| | |
|---------------------|--|
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

| | |
|----------------|---|
| Gene Symbol | SIRPG |
| Gene Full Name | signal-regulatory protein gamma |
| Background | The protein encoded by this gene is a member of the signal-regulatory protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008] |
| 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. [UniProt] |
| Calculated Mw | 42 kDa |