# Recombinant SIRPA Antibody

Rabbit Monoclonal Antibody [Clone SIRPA/17359R]

| Catalog No | Format | Size |
|---|---|---|
| 140885-RBM8-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 140885-RBM8-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 140885-RBM8-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 140885-RBM8-P1ABX | Purified Ab WITHOUT BSA or Azide at 1.0mg/ml | 100 ug |
| 140885-RBM8-P1ABX | Purified Ab WITHOUT BSA or Azide at 1.0mg/ml | 100 ug |

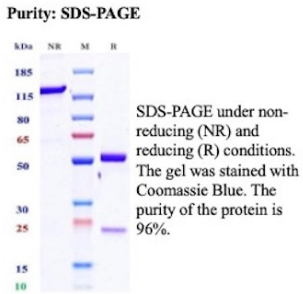
| Applications | Tested Dillution | Note |
|---|---|---|
| Western Blot (WB) | 2-4ug/ml | |

## Product Details

| | |
|---|---|
| **Clone** | SIRPA/17359R |
| **Immunogen** | Recombinant human SIRPA protein |
| **Host** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG / Kappa |
| **Mol. Weight of Antigen** | 54.97kDa |
| **Cellular Localization** | Membrane |
| **Species Reactivity** | Human |
| **Positive Control** | Ubiquitous |

**Optimal dilution for a specific application should be determined.*

## Product Images for Recombinant SIRPA Antibody




SDS-PAGE Analysis of Purified Recombinant SIRPA Rabbit Monoclonal Antibody (SIRPA/17359R). Confirmation of Purity and Integrity of Antibody.

## Specificity & Comments

Immunoglobulin-like cell surface receptor for CD47. Acts as docking protein and induces translocation of PTPN6, PTPN11 and other binding partners from the cytosol to the plasma membrane. Supports adhesion of cerebellar neurons, neurite outgrowth and glial cell attachment. May play a key role in intracellular signaling during synaptogenesis and in synaptic function (By similarity). Involved in the negative regulation of receptor tyrosine kinase-coupled cellular responses induced by cell adhesion, growth factors or insulin. Mediates negative regulation of phagocytosis, mast cell activation and dendritic cell activation. CD47 binding prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Plays a role in antiviral immunity and limits new world arenavirus infection by decreasing virus internalization (By similarity). Receptor for THBS1 (PubMed:24511121). Interaction with THBS1 stimulates phosphorylation of SIRPA (By similarity). In response to THBS1, involved in ROS signaling in non-phagocytic cells, stimulating NADPH oxidase-derived ROS production (PubMed:24511121).

## Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.