

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects mouse C1q R1/CD93 in direct ELISAs and Western blots.                                                                                                                                                                                                               |
| <b>Source</b>             | Polyclonal Sheep IgG                                                                                                                                                                                                                                                        |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant mouse C1q R1/CD93<br>Ala23-Asn572<br>Accession # O89103                                                                                                                                                                     |
| <b>Conjugate</b>          | Alexa Fluor 750<br>Excitation Wavelength: 749 nm<br>Emission Wavelength: 775 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

## PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

## BACKGROUND

C1q R1, also known as C1q Rp, CD93, Cell Surface Antigen AA4 and lymphocyte antigen 68, is a type I transmembrane protein. It contains a C-type lectin family domain and five EGF-like domains in its extracellular region, as well as a tyrosine kinase-recognition motif in its cytoplasmic region. It is most abundantly expressed on endothelial cells and platelets and is also expressed in neutrophils, glial cells and monocytes. C1q R1 is a marker for early multipotent hematopoietic cells and may participate in C1q/MBL/SPA-mediated enhancement of phagocytic function by monocytes.

## PRODUCT SPECIFIC NOTICES

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