

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human C1q R1/CD93 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 5% cross-reactivity with recombinant mouse C1q R1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human C1q R1/CD93 Ala24-Lys580 Accession # Q9NPY3
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human C1q R1/CD93
Flow Cytometry	2.5 µg/10 ⁶ cells	Human whole blood monocytes
Immunocytochemistry	5-15 µg/mL	Immersion fixed human peripheral blood mononuclear cells

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

C1q R1, also known as CD93, C1q R, and C1q RP, is a single chain glycoprotein expressed on cells of myeloid origin, endothelial cells, and hematopoietic progenitor cells. *In vitro*, this molecule may mediate the enhancement of phagocytosis upon interaction with soluble defense collagens (1, 2).

References:

1. Kim, T.S. *et al.* (2000) *Mol. Immunol.* **37**:377.
2. Dean, Y.D. and P. Gasque (2001) *Eur. J. Immunol.* **31**:1370.