

Recombinant Mouse CD47 Protein, Fc-tagged

Cat. No. CD47-642M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD47 protein with Fc tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	303
Description	Predicted to enable protein binding activity involved in heterotypic cell-cell adhesion and thrombospondin receptor activity. Involved in regulation of nitric oxide biosynthetic process. Acts upstream of or within several processes, including monocyte aggregation; opsonization; and positive regulation of phagocytosis. Located in extracellular exosome. Is integral component of plasma membrane. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; hemolymphoid system gland; and liver and biliary system. Orthologous to human CD47 (CD47 molecule).
Form	Lyophilized
Molecular Mass	40 kDa
AA Sequence	MWPLAAALLLGSCCCGSAQLLFSNVNSIEFTSCNETVVIPCIVRNVEAQSTEEMFVK WKLNKS YIF IYDGNKNSTTTDQNF T SAKISVSDLINGIASLKMDKRDAMVGN Y TCEVT EL SREGKT VIELKNRTVSWFSPNEKILIVIFPILAILLFWGKFGILT LKYKSSHTNKRILL LVAGLV LTVIVVVGAILLIPGEKPVKNASGLGLIVISTGILILLQYNVFM TAFGMTSFTIAI

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	LITQVLGYVLALVGLCLCIMACEPVHGPLLISGLGIIALAELLGLVYMKFVASNQRTIQP PRNR
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	Cd47 CD47 antigen (Rh-related antigen, integrin-associated signal transducer) [<i>Mus musculus</i> (house mouse)]
Official Symbol	CD47
Synonyms	CD47; CD47 antigen (Rh-related antigen, integrin-associated signal transducer); leukocyte surface antigen CD47; Rh-related antigen; integrin-associated protein; IAP;

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Itgp; AA407862; AI848868; AW108519; 9130415E20Rik; B430305P08Rik;

Gene ID 16423

mRNA Refseq NM_010581

Protein Refseq NP_034711

UniProt ID Q61735

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