

Recombinant Rat CD47 Protein, Fc-tagged

Cat. No. CD47-644R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat CD47 protein with Fc tag was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	303
Description	Enables protein binding activity involved in heterotypic cell-cell adhesion. Involved in several processes, including cellular response to cytokine stimulus; positive regulation of monocyte extravasation; and regulation of phagocytosis. Located in cell surface. Orthologous to human CD47 (CD47 molecule).
Form	Lyophilized
Molecular Mass	40.4 kDa
AA Sequence	MWPLAAALLLGSCCCGSAQLLLSKVKSVEFTSCNDTVVIPCKVLNVEAQSTDEMFVK WKLNKSIFYIDGNKNSTTREQNFTSAKISVSDLLKGIASLTMDTHEAVVGNYTCEVT ELSREGKTVIELKNRPVSWFSTNEKILIVIFPILAILLFWGKFGILTLYKSSHTNKRILL LVAGLALTIVVVGAILFIPGEKPVKNASGLGLIVISTGILILLQYNVFMATAFGMTSFTIAI LITQVLGYVLAVVGMCLCIMACEPVHGPLLISGLGIIAELLGLVYMKFVASNQRTIQ PPRNN
Purity	> 98%

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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 integrin-associated protein [Rattus norvegicus]
Official Symbol	CD47
Synonyms	CD47; integrin-associated protein;
Gene ID	29364
mRNA Refseq	NM_019195
Protein Refseq	NP_062068

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UniProt ID

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