

## Recombinant Rat CD47 Protein, Fc-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat CD47 protein with Fc tag was expressed in HEK293.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	303
<b>Description</b>	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).
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	40.4 kDa
<b>AA Sequence</b>	MWPLAAALLLGSCCCGSAQLLLSKVKSVEFTSCNDTVVIPCKVLNVEAQSTDEMFKV WKLNKSIFYIYDGNKNSTTREQNFTSAKISVSDLLKGIASLTMDTHEAVVGNYSYCEVT ELREGKTVIELKNRPVSWFSTNEKILIVIFPILAILLFWGKFGILTLYKSSHTNKRILL LVAGLALTLIVVVGAILFIPGKPVKNASGLGLIVISTGILILLQYNVFMATAFGMTSFTIAI LITQVLGYVLAVVGMCLCIMACEPVHGPLLISGLGIIALAEGLLVYMKFVASNQRTIQ PPRNN
<b>Purity</b>	> 98%

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<b>Applications</b>	WB; ELISA; FACS; FC
<b>Stability</b>	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.
<b>Storage</b>	At -20 centigrade.
<b>Concentration</b>	1 mg/mL
<b>Storage Buffer</b>	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
<b>Reconstitution</b>	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

<b>Gene Name</b>	Cd47 integrin-associated protein [ <i>Rattus norvegicus</i> ]
<b>Official Symbol</b>	CD47
<b>Synonyms</b>	CD47; integrin-associated protein;
<b>Gene ID</b>	29364
<b>mRNA Refseq</b>	NM_019195
<b>Protein Refseq</b>	NP_062068

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