

Recombinant Human CD47 Protein, IgG2a Fc-tagged

Cat. No. CD47-641H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD47 protein with IgG2a Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	323
Description	This gene encodes a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. The encoded protein is also a receptor for the C-terminal cell binding domain of thrombospondin, and it may play a role in membrane transport and signal transduction. This gene has broad tissue distribution, and is reduced in expression on Rh erythrocytes. Alternatively spliced transcript variants have been found for this gene.
Form	Lyophilized
Molecular Mass	40.8 kDa
AA Sequence	MWPLVAALLLGSACCGSAQLLFNKTGSVEFTFCNDTVVIPCFTVNMEAQNTTEVYVK WKFKGRDIYTFDGA LNKSTVPTDFSSAKIEVSQLLKGDASLKMDKSDAVSHTGNYTC EVTETREGETIIE LKYRVVSWFSPNENILIVIFPIFAILLFWGQFGIKTLKYRSGGMDE KTIALLVAGLVITVIVIVGAILFVPGEYSLKNATGLGLIVTSTGILILLHYVVFSTAIGLTSF VAILVIQVIAYILAVVGLSLCIAACIPMHGPLLISGLSILALAQLLGLVYMKFVASNQKTI

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	QPPRKAVEEPLNAFKESKGMMNDE
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 molecule [Homo sapiens (human)]
Official Symbol	CD47
Synonyms	CD47; CD47 molecule; CD47 antigen (Rh related antigen, integrin associated signal transducer) , MER6; leukocyte surface antigen CD47; antigen identified by monoclonal 1D8; antigenic surface determinant protein OA3; CD47 glycoprotein; IAP; integrin associated protein; OA3; Rh related antigen; Rh-related antigen; integrin-

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associated protein; integrin-associated signal transducer; CD47 antigen (Rh-related antigen, integrin-associated signal transducer); MER6;

Gene ID 961

mRNA Refseq NM_001777

Protein Refseq NP_001768

MIM 601028

UniProt ID Q08722

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