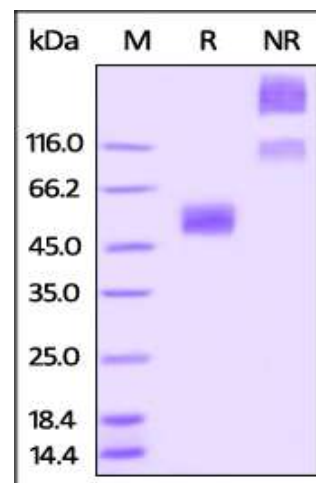


## Human CellExp™ CD47, rabbit recombinant

<b>CATALOG NO:</b>	P1077-10 P1077-50	10 µg 50 µg
<b>ALTERNATE NAMES:</b>	CD47, MER6, IAP, OA3	
<b>SOURCE:</b>	HEK 293 cells (Gln 19 - Glu 139)	
<b>PURITY:</b>	> 95% by SDS – PAGE	
<b>MOL. WEIGHT:</b>	This protein is fused with human IgG1 Fc tag at C terminus and the protein has a calculated MW of 40.4 kDa. The predicted N-terminus is Gln 19. The protein migrates as 48-58 kDa under reducing (R) condition and 85-110 kDa and 160-220 kDa under non-reducing (NR) condition on SDS-PAGE gel due to glycosylation.	
<b>ENDOTOXIN LEVEL:</b>	< 1.0 EU per 1µg of protein (determined by LAL method)	
<b>FORM:</b>	Lyophilized	
<b>FORMULATION:</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally Mannitol or Trehalose is added as a protectant before lyophilization.	
<b>STORAGE CONDITIONS:</b>	Store at -20°C. After reconstitution, aliquot and store at -70°C and use within 3 months. Avoid repeated freezing and thawing cycles.	
<b>RECONSTITUTION:</b>	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -80°C.	
<b>DESCRIPTION:</b>	Leukocyte surface antigen CD47 is also known as Antigenic surface determinant protein OA3, Integrin-associated protein (IAP) and Protein MER6. CD47 contains 1 Ig-like V-type (immunoglobulin-like) domain. CD47 is very broadly distributed on normal adult tissues. CD47 has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins and plays an important role in memory formation and synaptic plasticity in the hippocampus by similarity. CD47 is the receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. CD47 Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation.	



The purity of rabbit CD47 was determined by SDS-PAGE under reducing (R) condition and staining overnight with Coomassie Blue.

### RELATED PRODUCT:

- Human CellExp™ CD47, human recombinant (**Cat. No. 7385-10**)
- Human CellExp™ CD47, rabbit recombinant (**Cat. No. P1077-10, -50**)
- CD47/MER6 Polyclonal Antibody (**Cat. No. A1077-50**)
- Human CellExp™ CD160/BY55, human recombinant (**Cat. No. 7386-10, -50**)
- Human CellExp™ CD166/ALCAM, human recombinant (**Cat. No. 7437-10, -50**)
- Human CellExp™ CD172A / SIRP, human recombinant (**Cat. No. 7506-10, -50**)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (**Cat. No. 7370-10, -50**)
- Human CellExp™ CD47, human recombinant (**Cat. No. 7385-10, -50**)
- Human CellExp™ CD55/DAF, human recombinant (**Cat. No. 7432-10, -50**)
- Human CellExp™ CD58 /LFA-3, human recombinant (**Cat. No. 7427-10, -50**)
- Human CellExp™ CD62E/E-Selectin, human recombinant (**Cat. No. 7434-20, -100**)
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (**Cat. No. 7279-10, -50**)
- Human CellExp™ CD273, human recombinant (**Cat. No. 7369-10, -50**)
- Human CellExp™ CD36, human recombinant (**Cat. No. 7371-10, -50**)
- Human CellExp™ CD87, human recombinant (**Cat. No. 7372-20, -100**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**