Recombinant Human CD47 Protein (Gln19-Pro139), C-hFc and Avi-tagged, Biotinylated

Product Information

Cat	*IMP-10346*
Official Symbol	*CD47*
Product Overview	*Biotinylated recombinant human CD47 protein (Gln19-Pro139) with a Human IgG1 (Pro100-Lys330) and Avi-tag at C-terminus was expressed in Chinese Hamster Ovary cell line.*
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.*
Expression System	*CHO*
Species	*Human*
Tag	*C-hFc and Avi*
Predicted N Terminal	*No results obtained: Gln19 predicted*
Form	*Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.*
Conjugate	*Biotinylated*
Molecular Mass	*Predicted Molecular Mass: 42 kDa SDS-PAGE: 60-70 kDa, under reducing conditions*
Protein length	*Gln19-Pro139*
Bio-activity	*Measured by its binding ability in a functional ELISA. When Recombinant Human SIRP alpha/CD172a Fc Chimera is immobilized at 0.1 μg/mL (100 μL/well), the concentration of Recombinant Human CD47 Fc Chimera Avi-tag that produces 50% of the optimal binding response is 6-48 ng/mL.*
Endotoxin	
Purity	*>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.*
Notes	*Disulfide-linked homodimer, biotinylated via Avi-tag*
Storage	*Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2*

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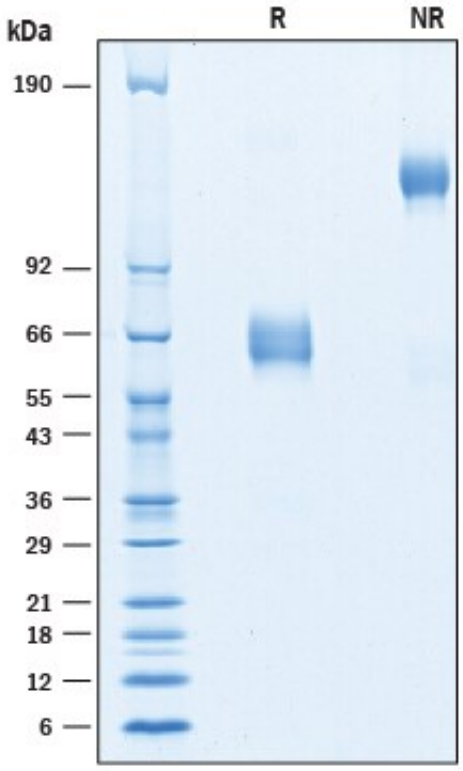
to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution

Reconstitute at 100 µg/mL in PBS.

SDS-PAGE



Bioactivity-ELISA 1

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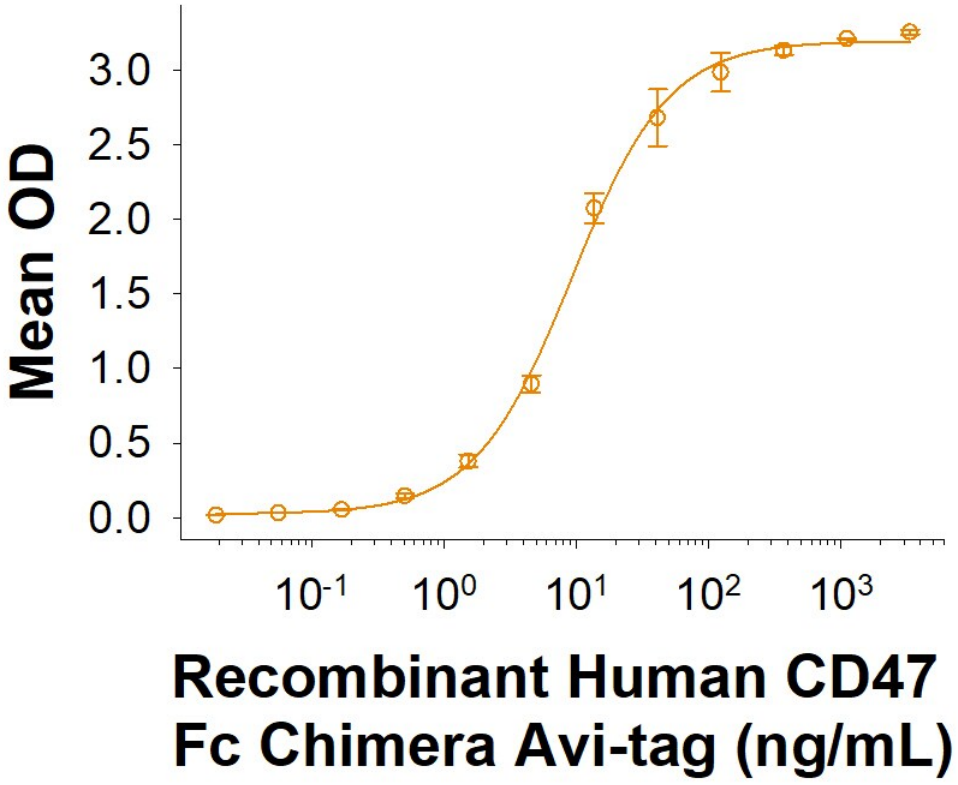

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