

Biotinylated Human CD47 Protein (Primary Amine Labeling)

Cat. No. CD7-HM247B

Description

Source	Recombinant Biotinylated Human CD47 Protein (Primary Amine Labeling) is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gln19-Pro139.
Accession	Q08722-1
Molecular Weight	The protein has a predicted MW of 40.5 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

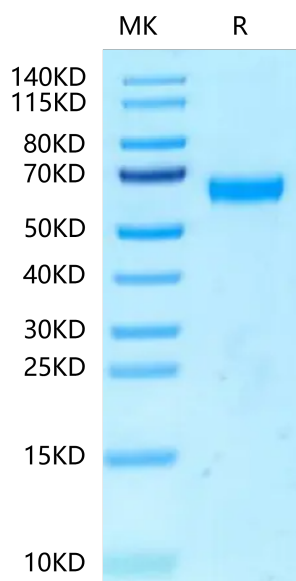
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CD47 (Cluster of Differentiation 47) also known as integrin associated protein (IAP) is a transmembrane protein that in humans is encoded by the CD47 gene. CD47 belongs to the immunoglobulin superfamily and partners with membrane integrins and also binds the ligands thrombospondin-1 (TSP-1) and signal-regulatory protein alpha (SIRP α). CD-47 acts as a don't eat me signal to macrophages of the immune system which has made it a potential therapeutic target in some cancers.

Assay Data

Bis-Tris PAGE



Biotinylated Human CD47 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

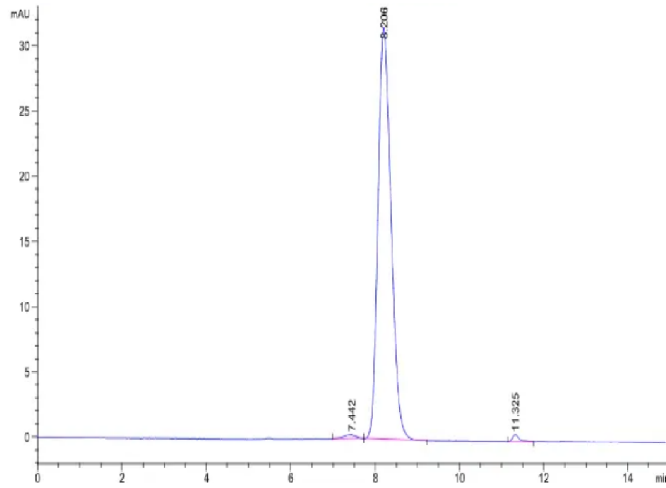
SEC-HPLC

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Assay Data



The purity of Biotinylated Human CD47 is greater than 95% as determined by SEC-HPLC.