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Product Sheet

Cynomolgus CD33 Protein; His Tag

GM-88610RP-100 / 100 μg
GM-88610RP-1000 / 1 mg

Product Information

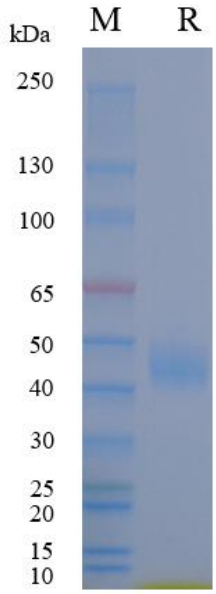
Product Name	Cynomolgus CD33 Protein; His Tag
Source	Cynomolgus CD33 Protein; His Tag (GM-88610RP) is expressed from human 293 cells (HEK-293). It contains AA Met 16 - Gly 248 (Accession # XP_045235686.1). This protein carries a His tag at the C-terminus.
Predicted MW	26.7 kDa
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Formulation	Liquid; Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Storage	Store at ≤ -70℃, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Shipping	Shipped on dry ice.
Synonyms	CD33, SIGLEC3, gp67
Background	CD33 (Siglec-3) is a transmembrane sialic acid-binding immunoglobulin-like lectin predominantly expressed on cells of the myeloid lineage and on microglia within the central nervous system. The protein comprises an N-terminal Ig-like V-type domain that recognizes α2,3- and α2,6-linked sialic acid ligands, followed by an Ig-like C2-type domain, a single transmembrane helix, and a cytoplasmic tail harboring two immunoreceptor tyrosine-based inhibitory motifs (ITIMs). Upon ligand engagement, these ITIMs are phosphorylated and recruit the phosphatases SHP-1 and SHP-2, thereby dampening cellular activation and cytokine release. Because of its restricted expression pattern and clinical validation as a therapeutic target in acute myeloid leukemia, CD33 continues to attract considerable research interest as both a regulator of innate immune signaling and a candidate for targeted intervention.

Version 4.0.26.1020

For research use only!

Data

Purity



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Related Products

CD24:SIGLEC10	
Flag-Cynomolgus_CD24 CHO-K1 Cell Line	H_CD24 CHO-K1 Cell Line
H_CD24 HEK-293 Cell Line	H_CD24 MC38 Cell Line
H_Siglec10 CHO-K1 Cell Line	MCF-7(CD24-Positive) Luciferase Cell Line
Anti-CD24 hIgG1 Antibody(LM-109)	
SIGLEC15	
Cynomolgus_SIGLEC15 CHO-K1 Cell Line	H_SIGLEC15 CHO-K1 Cell Line
H_SIGLEC15 HEK-293 Cell Line	H_SIGLEC15 MC38 Cell Line
H_SIGLEC15 U2OS Cell Line	Mouse_SIGLEC15 CHO-K1 Cell Line
Anti-Siglec15 mIgG2a Antibody(5G12)	
SIGLEC9	
Cynomolgus_SIGLEC9 CHO-K1 Cell Line	H_SIGLEC9 CHO-K1 Cell Line
H_SIGLEC9 HEK-293 Cell Line	
Anti-siglec9 mIgG1 Antibody(2D4)	
SIGLEC8	
H_SIGLEC8 CHO-K1 Cell Line	H_SIGLEC8 HEK-293 Cell Line
Olive Baboon_SIGLEC8 CHO-K1 Cell Line	
Anti-H_SIGLEC8 hIgG1 Antibody(1H10)	
SIGLEC3(CD33)	
Cynomolgus_CD33(SIGLEC3) CHO-K1 Cell Line	H_CD33(SIGLEC3) CHO-K1 Cell Line

Anti-H_CD33(siglec3) hIgG4 Antibody(Gemtuzumab)	
Human CD33 Protein; His Tag	

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