Cynomolgus/Rhesus macaque CD19 Protein

Cat. No. CD1-CM129

Description

Source	Recombinant Cynomolgus/Rhesus macaque CD19 Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Gln21-Lys292.
Accession	A0A2K5W8L9(Cynomolgus) /F7F486(Rhesus macaque)
Molecular Weight	The protein has a predicted MW of 34.0 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

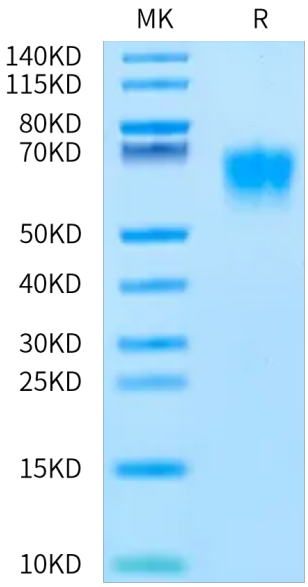
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CD19 is a 95 kDa transmembrane glycoprotein that plays a central role in B cell activation and humoral immune responses. Functions as coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes. Decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to antigens. Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca2+ stores.

Assay Data

Bis-Tris PAGE



Cynomolgus/Rhesus macaque CD19 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

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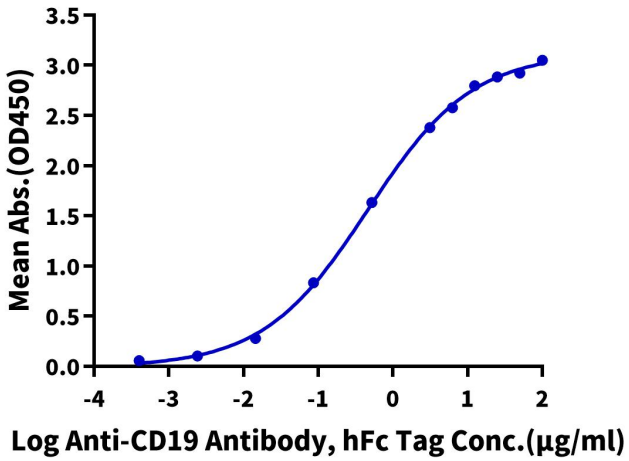
Assay Data

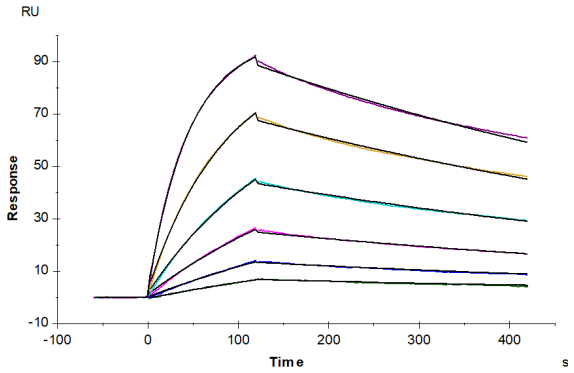
Cynomolgus/Rhesus macaque CD19, His Tag ELISA

0.5μg Cynomolgus/Rhesus macaque CD19, His Tag Per Well



Immobilized Cynomolgus/Rhesus macaque CD19, His Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for Anti-CD19 Antibody, hFc Tag with the EC50 of 0.46μg/ml determined by ELISA.

SPR Data



Anti-CD19 Antibody, hFc Tag captured on CM5 Chip via Protein A can bind Cynomolgus/Rhesus macaque CD19, His Tag with an affinity constant of 0.26 μM as determined in SPR assay (Biacore T200).