

Mouse CD19 Protein

Cat. No. CD1-MM119

Description

Source	Recombinant Mouse CD19 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Arg19-Gly287.
Accession	P25918
Molecular Weight	The protein has a predicted MW of 30.7 kDa. Due to glycosylation, the protein migrates to 55-68 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per ug by the LAL method.
Purity	>90% as determined by Bis-Tris PAGE

Formulation and Storage

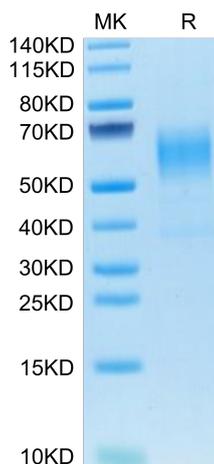
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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



Mouse CD19 on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.