

Active Recombinant Mouse CD19 Chimera Protein

Cat. No. CD19-01M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD19 Chimera Protein was expressed in CHO cell
Species	Mouse
Source	CHO
Description	CD19 is a 95 kDa transmembrane glycoprotein that plays a central role in B cell activation and humoral immune responses. CD19 is expressed throughout B cell development from pre-B cells through mature B cells, and it is commonly used as a B cell lineage marker.
Form	Lyophilized
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Mouse CD19 Fc Chimera is immobilized at 2 µg/mL, 100 µL/well, recombinant biotinylated human CD81 Fc Chimera binds with an ED50 of 7-35 µg/mL
Molecular Mass	57 kDa
N-terminal Sequence Analysis	Arg19 and Ser68
Endotoxin	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS.
Reconstitution	Reconstitute at 500 µg/mL in PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
GENE INFORMATION	
Gene Name	Cd19 CD19 antigen [Mus musculus (house mouse)]
Official Symbol	Cd19
Synonyms	B4; B-lymphocyte antigen CD19; B-lymphocyte surface antigen B4; CD19 antigen; CD19 molecule; CD19; CVID3; Differentiation antigen CD19; Leu-12; MGC12802; T-cell surface antigen Leu-12
Gene ID	12478
mRNA Refseq	NM_001357091.2
Protein Refseq	NP_001344020.1
UniProt ID	A0A0X1KG58

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