

Recombinant Monkey LY9 (X152E) Protein, His-tagged

Cat. No. LY9-11038M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rhesus macaque CD229 Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Lys 48 - Phe 454 (X152E). This protein carries a polyhistidine tag at the C-terminus.
Species	Monkey
Source	HEK293
ProteinLength	48-454 aa
Description	CD229, also known as Ly9 and SLAMF3, is a 120 kDa type I transmembrane glycoprotein in the SLAM subgroup of the CD2 family. Signaling lymphocyte activation molecule (SLAM) family receptors are critically involved in modulating innate and adaptive immune responses. CD229 is expressed on T and B cells, thymocytes, and more weakly on NK cells. Homophilic binding between CD229 molecules is mediated by the N-terminal Ig-like domain.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 46.6 kDa. The protein migrates as 40 kDa, 50 kDa and 55-70 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/µg by the LAL method/rFC method.

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Purity	>90% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	LY9 lymphocyte antigen 9 [<i>Macaca mulatta</i> (Rhesus monkey)]
Official Symbol	CD229
Synonyms	LY9; lymphocyte antigen 9; T-lymphocyte surface antigen Ly-9
Gene ID	720255
mRNA Refseq	XM_077982442
Protein Refseq	XP_077838568

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