

Synonym

CD19, B4, CVID3, MGC12802

Source

Mouse CD19 Protein, Fc Tag (CD9-M5257) is expressed from human 293 cells (HEK293). It contains AA Arg 19 - Gly 287 (Accession # [P25918](#)).
 Predicted N-terminus: Arg 19

Molecular Characterization

CD19(Arg 19 - Gly 287) P25918	Fc(Pro 100 - Lys 330) P01857
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[Other Tags and Version](#) [Biotin & Other Labeled Version](#)

This protein carries a human IgG1 Fc tag at the C-terminus.
 The protein has a calculated MW of 56.0 kDa. The protein migrates as 65-80 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 per µg by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.
 >90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
 Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.
For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

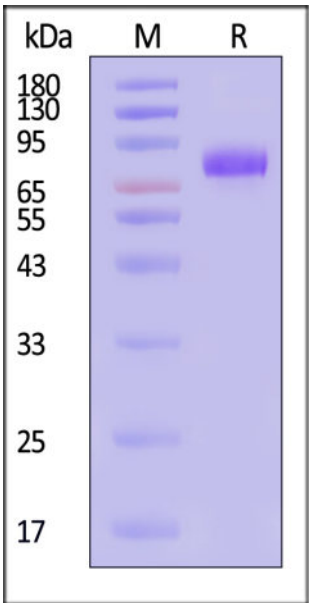
For long term storage, the product should be stored at lyophilized state at -20°C or lower.
Please avoid repeated freeze-thaw cycles.
 This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

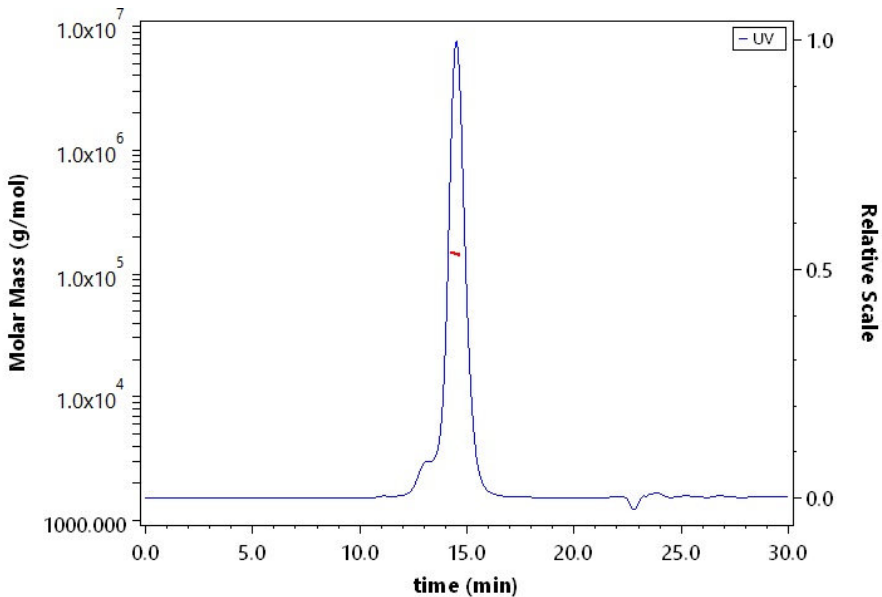
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



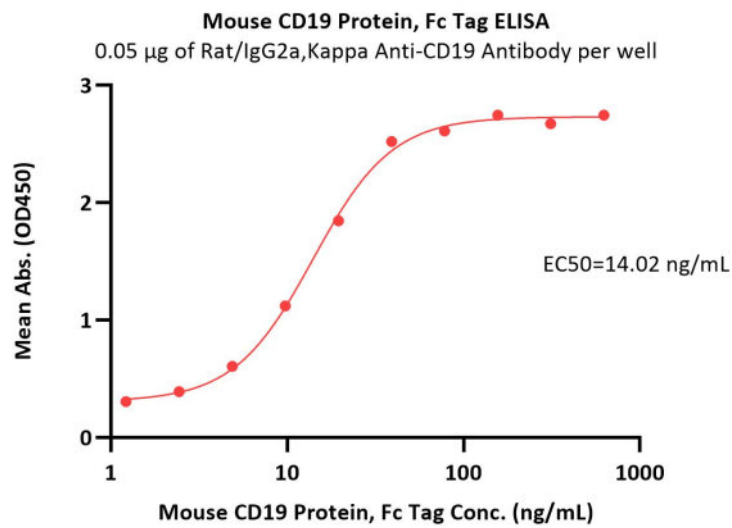
Mouse CD19 Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% and the molecular weight of this protein is around 135-165 kDa verified by

SEC-MALS



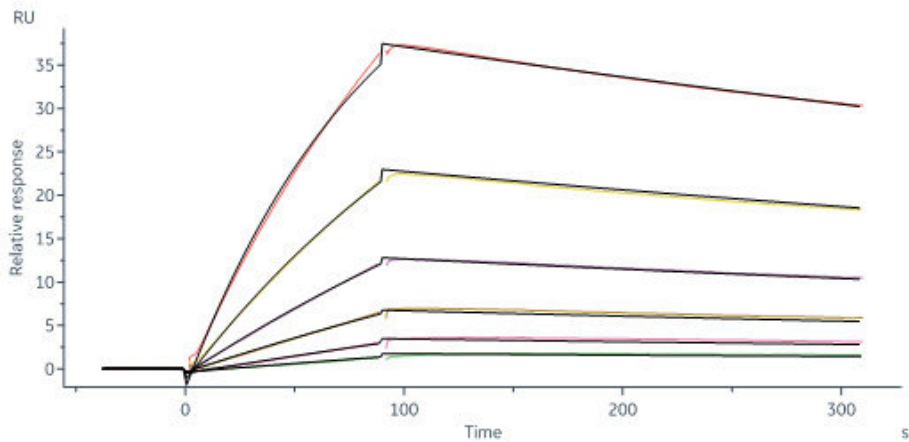
The purity of Mouse CD19 Protein, Fc Tag (Cat. No. CD9-M5257) is more than 90% and the molecular weight of this protein is around 135-165 kDa verified by

Bioactivity-ELISA



Immobilized Rat/IgG2a,Kappa Anti-CD19 Antibody at 0.5 µg/mL (100 µL/well) can bind Mouse CD19 Protein, Fc Tag (Cat. No. CD9-M5257) with a linear range of 1-39 ng/mL (QC tested).

Bioactivity-SPR



Rat/IgG2a,Kappa Anti-CD19 Antibody immobilized on CM5 Chip can bind Mouse CD19 Protein, Fc Tag (Cat. No. CD9-M5257) with an affinity constant of 94.2 nM as determined in a SPR assay (Biacore 8K) (Routinely tested).

Background

Ectonucleoside triphosphate diphosphohydrolase-3 (NTPDase-3), encoded by the ENTPD3 gene and also known as CD39L3, is an integral membrane protein with an extracellular active site (1). Recombinant human NTPDase-3 was expressed as a protein lacking its N- and C-terminal transmembrane domains, resulting in the secretion of the soluble ectodomain. NTPDase-3 hydrolyzes the beta - and gamma -phosphate residues of nucleotides, Has a threefold preference for the hydrolysis of ATP over ADP. Through its hydrolysis of extracellular nucleotides, NTPDase-3 plays a role in the regulation of purinergic signaling. The enzyme is expressed at its highest levels in brain, pancreas, spleen and prostate tissues.

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