

Human CellExp™ CD19, Fc Tag, Rhesus macaque recombinant

CATALOG NO: P1329-10 10 µg
P1329-50 50 µg

ALTERNATE NAMES: CD19, B4, CVID3, MGC12802

SOURCE: HEK 293 cells (Pro 20 – Lys 292)

PURITY: > 95% by SDS – PAGE

MOL. WEIGHT: This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 56.7 kDa. The protein migrates as 66-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

ENDOTOXIN LEVEL: < 1.0 EU per 1µg of protein (determined by LAL method)

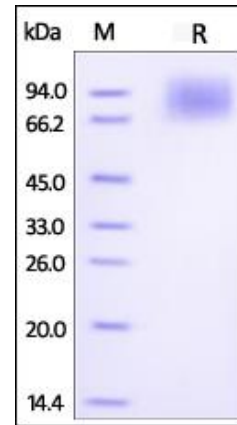
FORM: Lyophilized

FORMULATION: Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5. Generally Mannitol or Trehalose is added as a protectant before lyophilization.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

DESCRIPTION: B-lymphocyte antigen CD19 (CD19) is also known as B-lymphocyte surface antigen B4, Differentiation antigen CD19 and T-cell surface antigen Leu-12, which is a single-pass type I membrane protein and contains two Ig-like C2-type (immunoglobulin-like) domains. CD19 forms a complex with CD21, CD81 and CD225 in the membrane of mature B cells. CD19 interacts with GRB2 and SOS when phosphorylated on Tyr-348 and/or Tyr-378. CD19 also interacts with PLCG2 when phosphorylated on Tyr-409. CD19 is an important pan B cell marker and co-stimulatory protein in humans and mice. CD19 is a hallmark differentiation antigen of the B cell lineage and positively regulates antigen receptor signal transduction in mature B cells. CD19 defines signaling thresholds for the Ag receptor as well as other cell surface receptors that regulate B lymphocyte selection, activation, and differentiation. Defects in CD19 are a cause of hypogammaglobulinemia.



The purity of Rhesus macaque CD19, His Tag was determined by SDS-PAGE under reducing (R) condition and staining

RELATED PRODUCT:

- Human CellExp™ CD19, Human recombinant (**Cat. No. 9246-10, -50**)
- Human CellExp™ CD155, human recombinant (**Cat. No. 7462-10, -50**)
- Human CellExp™ CD160/BY55, human recombinant (**Cat. No. 7386-10, -50**)
- Human CellExp™ CD166/ ALCAM, human recombinant (**Cat. No. 7437-10, -50**)
- Human CellExp™ CD172A / SIRP, human recombinant (**Cat. No. 7506-10, -50**)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (**Cat. No. 7370-10, -50**)
- Human CellExp™ CD47, human recombinant (**Cat. No. 7385-10, -50**)
- Human CellExp™ CD55/DAF, human recombinant (**Cat. No. 7432-10, -50**)
- Human CellExp™ CD58 /LFA-3, human recombinant (**Cat. No. 7427-10, -50**)
- Human CellExp™ CD62E/E-Selectin, human recombinant (**Cat. No. 7434-20, -100**)
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (**Cat. No. 7279-10, -50**)
- Human CellExp™ CD273, human recombinant (**Cat. No. 7369-10, -50**)
- Human CellExp™ CD36, human recombinant (**Cat. No. 7371-10, -50**)

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