

Product Name: Recombinant Human CD81 (N-FC)
Catalog #: PHH2278

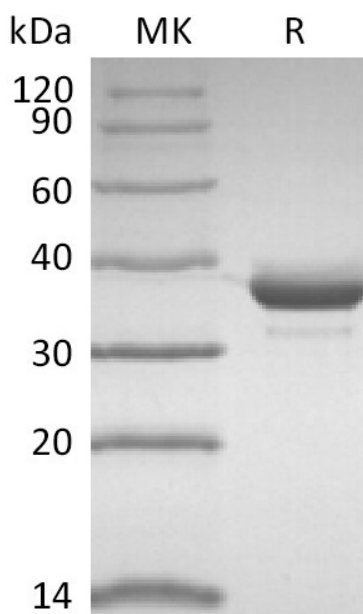


Summary

Name	CD81
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human CD81 antigen is produced by our Mammalian expression system and the target gene encoding Phe113-Lys201 is expressed with a human IgG1 Fc tag at the N-terminus.
Accession #	P60033
Host	Human Cells
Species	Human
Predicted Molecular Mass	36.1 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

CD81 antigen; CD81 molecule; CD81; CVID6; TAPA1; TAPA-1; TSPAN28

Background

CD81, also known as TAPA-1 and Tetraspanin-28, belongs to the transmembrane 4 superfamily, also known as the tetraspanin family. Members of this family mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. CD81 is a widely expressed cell-surface protein involved in an astonishing variety of biologic responses. CD81 associates with a wide range of membrane proteins including CD151, TfR2, LDL R, PCSK9, Glypican 3, IFITM1, IGSF8/CD316, FPRP, and complexes of CD19-CD21. It is related to adhesion, morphology, activation, proliferation, and differentiation of B, T, and other cells. CD81 additionally functions as a receptor for the E2 glycoprotein of hepatitis C virus. The CD81-E2 interaction inhibits NK cell cytolytic activity, provides a co-stimulatory signal to T cells, and inhibits the maturation of plasmacytoid dendritic cells.

Note

For Research Use Only , Not for Diagnostic Use.