Recombinant Cynomolgus CD81 Protein, His-tagged

Cat. No. CD81-328C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus CD81 (XP_005576958.1) (Lys116-Lys201) was expressed with a polyhistidine tag at the N-terminus. Cynomolgus and Rhesus CD81 sequences are identical.
Species	Cynomolgus
Source	HEK293
ProteinLength	Lys116-Lys201
Description	CD81, also known as TAPA-1, 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. It is related to adhesion, morphology, activation, proliferation, and differentiation of B, T, and other cells. On B cells CD81 is part of a complex with CD21, CD19, and Leu13. This complex reduces the threshold for B cell activation via the B cell receptor by bridging Ag specific recognition and CD21-mediated complement recognition.
Predicted N Terminal	His
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 %- 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

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Molecular Mass	The recombinant cynomolgus CD81 consists of 105 amino acids and predicts a molecular mass of 11.7 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at-70 centigrade. Store it under sterile conditions at-20 centigrade to-80 centigrade. It is recommended that the protein be aliquoted for optimal storage. 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 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Official Symbol	CD81
Synonyms	CD81;CD81 antigen

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