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CD19

Catalog # PVGS1924

Product Information

Primary Accession	P15391-1
Species	Human
Sequence	Pro20-Lys291
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per g by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CD19, His, Human at 2 g/ml (100 l/well) on the plate can bind Coltuximab, hFc Tag. Measured by its binding ability in a functional ELISA. Immobilized CD19, His, Human at 2 g/ml (100 l/well) on the plate can bind FMC63, mFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	34.7 kDa
Formulation	Lyophilized from a 0.22 m filtered solution in PBS, (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 g/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Additional Information

Target Background	CD19 is a 95 kDa transmembrane glycoprotein that plays a central role in B cell activation and humoral immune responses. Functions as coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes. Decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to antigens. Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca2 stores.

Protein Information

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.