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CD19

Catalog # PVGS1924

Specification

CD19 - 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 µg by the LAL method.

Biological Activity
Measured by its binding ability in a functional ELISA. Immobilized CD19, His, Human at 2 µg/ml (100 µl/well) on the plate can bind Coltuximab, hFc Tag. Measured by its binding ability in a functional ELISA. Immobilized CD19, His, Human at 2 µg/ml (100 µl/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 µm filtered solution in PBS, (pH 7.4).**

Reconstitution
Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/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.

CD19 - 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.

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CD19 - Protein Information

CD19 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD19 - Images