

CD19
Catalog # PVGS1907**Specification**

CD19 - Product InformationPrimary Accession [A0A2K5W8L9](#)**Species**

Cynomolgus/Rhesus macaque

Sequence

Gln21-Trp291

Purity

> 95% as determined by Bis-Tris PAGE

Endotoxin Level

Less than 1EU per µg by the LAL method.

Biological Activity

AntiCD19 Antibody, hFc Tag captured on CM5 Chip via Protein A can bind CD19, His, Cynomolgus/Rhesus macaque in SPR assay (Biacore T200). Test result was comparable to standard batch.

Expression System

HEK293

Theoretical Molecular Weight

30.96 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.

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 Cytometry](#)
- [Cell Culture](#)

CD19 - Images