Rev03
Update: Dec,14,2021

DATASHEET

BAFF-R, Human

Cat. No.: Z02725

Product Introduction

Species	Human
Protein Construction	**BAFF-R (Met1-Gly76) Accession # Q96RJ3**
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	< 1 EU/μg of protein by LAL method
Biological Activity	Fully biologically active when compared to standard. The ED_{50} as determined by its ability to block BAFF induced mouse splenocyte survival is 1.0-5.0 μg/ml in the presence of 1.0 μg/ml of rHuBAFF.
Expression System	E. coli
Theoretical Molecular Weight	7.8 kDa
Formulation	Lyophilized from a 0.2 μm filtered solution in 20 mM PB, pH 8.0, 500 mM NaCl.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

Background

Target Background : BAFF Receptor (BAFF-R), a member of the TNFR superfamily, is highly expressed in spleen, lymph node, and resting B cells and to some extent in activated B cells, resting $CD4^+$ cells and peripheral blood leukocytes. BAFF-R is a type III transmembrane protein that binds with high specificity to BAFF (TNFSF13B). BAFF-R/BAFF signaling plays a critical role in B cell survival and maturation.

Synonyms : BAFF Receptor; BLyS receptor 3; CD_antigen: CD268;

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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