

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Human BAFF Receptor (rHuBAFF-R)

Catalog Number: PR1003

Source: Escherichia coli.

Quantity: 10µg/50µg/1.0mg

Description

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.

Molecular Weight:

Approximately 7.7 kDa, a single non-glycosylated polypeptide chain containing 76 amino acids.

Purity:

>95% by reduced SDS-PAGE analyses.

Biological Activity:

Fully biologically active when compared to standard. Determined by its ability to block BAFF induced mouse splenocyte survival. The expected ED50 for this effect is 1.0-5.0 µg/ml in the presence of 1.0µg/ml of human soluble BAFF, corresponding to a Specific Activity of □200 IU/mg.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized from a 0.2mm filtered concentrated solution in 20mM PB, pH 8.0, 500mM NaCl.

AA Sequence:

M R R G P R S L R G R D A P A P T P C V P A E C F D L
L V R H C V A C G L L R T P R P K P A G A S S P A P R
T A L Q P Q E S V G A G A G E A A L P L P G

Endotoxin:

Less than 1EU/mg of rHuBAFF-R as determined by LAL method.

Reconstitution:

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.

Storage:

This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE. Made in China

MADE IN CHINA

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