

Product Data Sheet

Product Name: BAFF R Human
 Cat. No.: GP20093
 Batch No.: 1

Product Data

Purity >98% Source Escherichia Coli.
 Physical Appearance solid Shipping Condition Shipped at Room temp.

Synonyms TNFRSF13C; CD268; BAFF-R; MGC138235; B cell-activating factor receptor.

Amino Acid Sequence MRRGPRSLRGRDAPAPTPCVPAECFDLLVRHCVACGLLRTPRPKPAGASSPAPRTALQPQESVGAGAGEAALPLPG.

Solubility It is recommended to reconstitute the lyophilized B Lymphocyte Stimulator Receptor Recombinant in sterile 18MΩ-cm H₂O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

Formulation Lyophilized from a 0.2μm filtered concentrated (1.0mg/ml) solution in 20mM PB, pH 8.0, 500mM NaCl.

Introduction

B cell-activating factor (BAFF) enhances B-cell survival in vitro and is a regulator of the peripheral B-cell population. Overexpression of Baff in mice results in mature B-cell hyperplasia and symptoms of systemic lupus erythematosus (SLE). Also, some SLE patients have increased levels of BAFF in serum. Therefore, it has been proposed that abnormally high levels of BAFF may contribute to the pathogenesis of autoimmune diseases by enhancing the survival of autoreactive B cells. The protein encoded by this gene is a receptor for BAFF and is a type III transmembrane protein containing a single extracellular cysteine-rich domain. It is thought that this receptor is the principal receptor required for BAFF-mediated mature B-cell survival.

Biological Activity

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.

Stability

Lyophilized BAFF-R although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution B Lymphocyte Stimulator Receptor should be stored at 4°C between 2-7 days and for future use below -18°C .Please prevent freeze-thaw cycles.

Background

B Lymphocyte Stimulator Receptor Human Recombinant extracellular produced in E.Coli is a single, non-glycosylated polypeptide chain containing 76 amino acids and having a molecular mass of 7.7 kDa.The BAFF-R is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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