
Product Data Sheet

Product Name: EB13 Human
Cat. No.: GP20162
Batch No.: 1

Product Data

Purity >98% Source
Physical Appearance solid Shipping Condition

Synonyms Interleukin-27 subunit beta; IL-27 subunit beta; IL-27B; Epstein-Barr virus-induced gene 3 protein; EBV-induced gene 3 protein; EB1

Amino Acid Sequence RKGPPAALTLPRVQCASRYPIAVDCSWTLPPAPNSTSPVSIATYRLGMAARGHSWPCLQQTPTSTCTITDVQLFSMAPYVLNVTAVHPWGSSSFVF

Solubility It is recommended to reconstitute the lyophilized EB13 in sterile 10mM Acetic acid not less than 100µg/ml, which can then be further
Formulation EB13 Human Recombinant was lyophilized from a solution containing 10mM Acetic Acid and 0.5% Mannitol.

Introduction

EB13 has an induced expression in B lymphocytes in reaction to Epstein-Barr virus infection. EB13 encodes a secreted glycoprotein belonging to the hematopoietin receptor family, and heterodimerizes with a 28 kDa protein to form iL-27. EB13 drives rapid clonal expansion of naive cd4(+) t-cells. EB13 strongly synergizes with IL-12 to activate IFN-gamma production of naive cd4(+) t-cells. EB13 mediates its biologic effects through the cytokine receptor wsx-1/tccr.

Biological Activity

Assay data for Human recombinant EB13 is based upon qualitative binding to anti-EB13 antibody.

Stability

Lyophilized EB13 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution EB13 should be stored at 4°C between 2-7 days and for future use below -18°C . Please prevent freeze-thaw cycles.

Background

EB13 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 209 amino acids fragment (21-229) having a molecular weight of 23.3kDa. The EB13 is purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA