

EBI3 Human

Description:EBI3 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 EBI3 is purified by proprietary chromatographic techniques.

Catalog #:CYPS-374

Synonyms:Interleukin-27 subunit beta, IL-27 subunit beta, IL-27B, Epstein-Barr virus-induced gene 3 protein, EBV-induced gene 3 protein, EBI3, IL27B.

For research use only.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence:

RKGPPAALTLPRVQCRASRYPIAVDCSWTLPPAPNSTSPVSIATYRLGMAARGHSWPCQQTP
TSTSTITDVQLFSMAPYVLNVTAVHPWGSSSFVPFITEHIIKPDPEGVRLSPLAERQLQVQWE
PPGSWPFPEIFSLKYWIRYKRQGAARFHRVGPPEATSFILRAVRPRARYVQVAAQDLTDYGELS
DWSLPATATMSLGK.

Purity:Greater than 90% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Formulation:

EBI3 Human Recombinant was lyophilized from a solution containig 10mM Acetic Acid and 0.5% Mannitol.

Stability:

Lyophilized EBI3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EBI3 should be stored at 4°C between 2-7 days and for future use below-18°C. Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized EBI3 in sterile 10mM Acetic acid not less than 100

Introduction:

EBI3 has an induced expression in B lymphocytes in reaction to Epstein-Barr virus infection. EBI3 encodes a secreted glycoprotein belonging to the hematopoietin receptor family, and heterodimerizes with a 28 kDa protein to form iL-27. EBI3 drives rapid clonal expansion of naive cd4(+) t-cells. EBI3 strongly synergizes with IL-12 to activate IFN-gamma production of naive cd4(+) t-cells. EBI3 mediates its biologic effects through the cytokine receptor wsx-1/tccr.

Biological Activity:

Assay data for Human recombinant EBI3 is based upon qualitative binding to anti-EBI3 antibody.

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