

EBI3 Mouse

Description:EBI3 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 207 amino acids and having a molecular mass of 22.9kDa. The Murine EBI3 is purified by proprietary chromatographic techniques.

Catalog #:CYPS-628

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

For research use only.

Source:Escherichia Coli.

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

Amino Acid Sequence:MALVALSQPR VQCHASRYPV AVDCSWTPLQ APNSTRSTSF
IATYRLGVAT QQSQPCLQR SPQASRCTIP DVHLFSTVPY MLNVTAVHPG GASSLLAFV
AERIIPDPP EGVLRTAGQ RLQVLWHPA SWPFPDIFSL KYRLRYRRRG ASHFRQVGPI
EATTFTLRNS KPHAKYCIQV SAQDLTDY GK PSDWSLPGQV ESAPHKP.

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

Formulation:

EBI3 was lyophilized from 10mM Sodium Citrate pH-3.

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 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

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 wxs-1/tccr.

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