
Product Data Sheet

Product Name: EBI3 Mouse
 Cat. No.: GP20164
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
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.		
Amino Acid Sequence	MALVALSQPR VQCHASRYPV AVDCSWTPLQ APNSTRSTSF IATYRLGVAT QQSQPCLQR SPQASRCTIP DVHLFSTVPY MLNVTAVHPG GASSLLAFV AERIIKPDPP EGVRLRTAGQ RLQVLWHPA SWPFPDIFSL KYRLRYRRRG ASHFRQVGPI EATTFTLRNS KPHAKYCIQV SAQDLTDYGK PSDWSLPGQV ESAPHKP.		
Solubility	It is recommended to reconstitute the lyophilized EBI3 in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	EBI3 was lyophilized from 10mM Sodium Citrate pH-3.		

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 iIL-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.

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.

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

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Background

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.

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