9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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EBI3 Macaque

Epstein Barr Virus Induced 3 Macaque Recombinant
CYK0136

Product Overview

Name	EBI3 Macaque
Description	
Epstein Barr Virus Induced 3 Macaque Recombinant	
Accession (Primary)	Q14213
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.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a sterile filtered solution containing 0.1 % trifluoroacetic acid (TFA).	
Stability	
Lyophilized EBI3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EBI3 Macaque should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MRKGPPAALT LPRVQCRAPR YPIAVDCSWT LPPAPNSTSP VSFIATYRFG MAARGHSWPC LQQTPASTSC TIADVRLFSM APYVLNVTAV HPWGSSSSFV PFIAEHIIKP DPPEGVRLSP LAERQLQVQW EPPRSWPFPE IFSLKYWIRY KRQGAARFHQ VGPIEATSFI LRAVRPRARY CVQVAAQDLT DYGELSDWSL PATTPMSPGK.	

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Solubility

It is recommended to reconstitute the lyophilized EBI3 in sterile 18MΩ-cm H 2 O at a concentration of 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

EBI3 Macaque is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q14213)