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Synonym/Alternative name(s):

☐ 5ug;20ug;100ug;500ug;

Interleukin-27 beta, IL-27B, subunit Epstein-Barr virus in_x005f_x x005f x005f x005f x005f x005f x005f x005f x005f x0005f x0002 duced gene 3 protein, EBV-induced gene 3 protein, EBI3

Activity:

Measure by its ability to protect HepG2 cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is <5 ng/mL.

Protein Description:

IL-27 protein is a member of the IL-6 superfamily, which is expressed on monocytes, endothelial cells and dendritic cells. It is also referred to as the IL-12 p35-related protein. IL-27 protein is an early product of activated antigenpresenting cells and drives rapid clonal expansion of naive CD4(+) T cells and plays a role in the early regulation of Th1 cells initiation which drives efficient adaptive immune response. It has an antiproliferative activity on melanomas through WSX-1/STAT1 signaling. Thus, IL-27 protein may be an attractive candidate as an antitumor agent applicable to cancer immunotherapy.

Protein Accession: 035228.1

Gene ID: 50498

Expression Sequence:

MALVALSQPRVQCHASRYPVAVDCSWTPLQAPNSTRSTSFIATYRLGVATQQQSQPCLQRSPQASRCTIPDVHLFSTVPYMLNVTAVH PGGASSSLLAFVAERIIKPDPPEGVRLRTAGQRLQVLWHPPASWPFPDIFSLKYRLRYRRRGASHFRQVGPIEATTFTLRNSKPHAKYCIQ VSAQDLTDYGKPSDWSLPGQVESAPHKP with polyhistidine tag at the C-terminus.

Fusion tag: His-tag?at?the?C-terminus

Species: Mouse **Reactivity:** Mouse

Expression Host: Escherichia coli

Source: E. coli Purity/method:

>95% as determined by SDS-PAGE.

Ni-NTA chromatography.

Endotoxin level:

<0.1 EU per 1 μg of the protein by the LAL method.

Calculated Molecular Weight: 23.84 kDa

Formulation:

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 μg/mL

and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping: Blue Ice

Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category: Cytokines

Application: Cell culture, Elisa

Image:

