

Recombinant Murine EBI-3 (Epstein-Barr Virus Induced Gene-3)

CATALOG #: 4377-20 20 µg
4377-100 100 µg
4377-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: > 90% by SDS-PAGE and RP-HPLC analysis
Endotoxin level is < 0.01 ng per µg of rm- EBI-3.

MOL. WEIGHT: 22.9 kDa

FORM: Lyophilized from 10 mM Sodium citrate, pH 3.0

RECONSTITUTION:

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 – 0.5 mg/ml, which can be further diluted into other aqueous solutions.

STORAGE CONDITIONS:

The lyophilized product is very stable at -20 °C. Upon reconstitution the material should be aliquoted and frozen at -20 °C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

DESCRIPTION:

Epstein-Barr Virus Induced Gene-3 (EBI-3), is a secreted glycoprotein belonging to the hematopoietin receptor family and related to the p40 subunit of IL-12. It was identified by its induced expression in B-lymphocytes in response to Epstein-Barr virus infection. EBI-3 forms heterodimers with p28 to form IL-27 and with p35 to form IL-35. Both IL-27 and IL-35 have anti-inflammatory and regulatory activity. Recombinant Mouse EBI is a non-glycosylated polypeptide chain consisting of 207 amino acids with a molecular weight of 22,900 Da.

BIOLOGICAL ACTIVITY:

Assay data for mouse recombinant EBI-3 is based upon qualitative binding to anti-EBI-3 antibody.

AA Sequence:

MALVALSQPR VQCHASRYPV AVDCSWTPLQ APNSTRSTSF IATYRLGVAT
QQQSQPCLQR SPQASRCTIP DVHLFSTVPY MLNVTAVHPG GASSLLAFV AERIHKPDPP
EGVRLRTAGQ RLQVLWHPA SWPFPDIFSL KYRLRYRRRG ASHFRQVGPI EATFTLRNS
KPHAKYCIQV SAQDLTDYGK PSDWSLPGQV ESAPHKP

FOR RESEARCH USE ONLY! Not to be used in humans.

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