

Datasheet for ABIN2723546 **IL12B Protein**

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Overview

Quantity:	10 µg
Target:	IL12B
Origin:	Mouse
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Antibody Production (AbP), Standard (STD), Functional Studies (Func), Protein Interaction (PI)

Product Details

Specificity:	Optimal preservation of protein structure, post-translational modifications and functions.
Characteristics:	• Recombinant human Interleukin 12b (IL12b) protein expressed in Sf9 cells. • Produced with end-sequenced ORF clone • Tested for bioactivity.
Purity:	95 % , as determined by Coomassie stained SDS-PAGE.
Endotoxin Level:	Less than 0.01 ng per µg protein as determined by the LAL method.
Biological Activity Comment:	The ED50 is 0.10 to 0.20 ng/ml, corresponding to a specific activity of 1.0 - 0.5 x 10 ⁷ units/mg, determined by the dose dependent stimulation of IFN&gamma production by mouse splenocytes.

Target Details

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Target Details

Alternative Name:	Interleukin 12b (IL12b) (IL12B Products)
Molecular Weight:	57.5 kDa
NCBI Accession:	NP_032378
Pathways:	JAK-STAT Signaling , Cellular Response to Molecule of Bacterial Origin , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Activated T Cell Proliferation

Application Details

Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays Protein-protein interaction In vitro biochemical assays and cell-based functional assays
Restrictions:	For Research Use only

Handling

Concentration:	> 50 µg/mL
Buffer:	10 mM NaH ₂ PO ₄ , 150 mM NaCl, pH 7.2
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.