

Interleukin-4/IL-4 Active Protein | IL-4 active protein

Recombinant Human Interleukin-4/IL-4 Protein (Active)

CATALOG # AAA176986	HOST Human Cells	APPLICATIONS Immunogen
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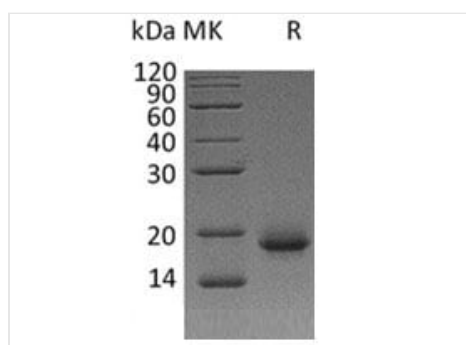
PRODUCT SYNONYMS

Interleukin-4/IL-4; Recombinant Human Interleukin-4/IL-4 Protein (Active); Interleukin-4; IL-4; B-Cell Stimulatory Factor 1; BSF-1; Binetrakin; Lymphocyte Stimulatory Factor 1; Pitratkinra; IL4; IL-4 active protein

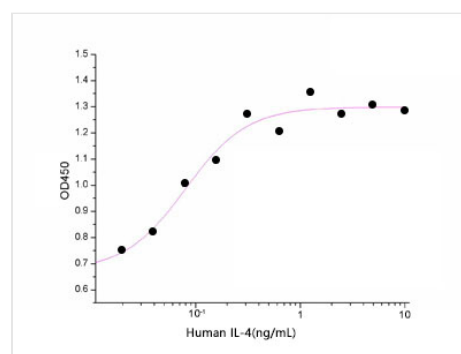
PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	> 95 % as determined by SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered solution of 20mM PBS, 150mM NaCl, pH 7.4.
Applicable Applications for IL-4 active protein	Immunogen
Biological Activity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is 0.01-0.05 ng/ml.
Endotoxin	< 1.0 EU per g as determined by the LAL method.
Preparation and Storage	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.

IMAGES



Application Data



Bioactivity

ADDITIONAL INFORMATION

Related Product Information for IL-4 active protein	Interleukin-4 (IL-4) is a pleiotropic cytokine that regulates diverse T and B cell responses including cell proliferation, survival and gene expression. IL-4 is produced by mast cells, T cells, and bone marrow stromal cells. IL-4 regulates the differentiation of naive CD4+ T cells into helper Th2 cells, characterized by their cytokine-secretion profile that includes secretion of IL-4, IL-5, IL-6, IL-10, and IL-13, which favor a humoral immune response. Another dominant function of IL-4 is the regulation of immunoglobulin class switching to the IgG1 and IgE isotypes. Excessive IL-4 production by Th2 cells has been associated with elevated IgE production and allergic response.
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	P05112
Molecular Weight	14.97 kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-active-protein/interleukin-4-il-4/176986>