

Recombinant Mouse Interleukin 9

Cat. No. II9-225M Lot. No. (See product label)

SPECIFICATION

Species Mouse

Source Sf21 Cells

Description

Interleukin 9, also known as IL9, is a TH2 cytokine belonging to the group of interleukins. This cytokine stimulates cell proliferation and prevents apoptosis. It functions through the interleukin-9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. IL-9 stimulates the proliferation of a variety of hematopoietic lineages through its interaction with a receptor of the cytokine receptor superfamily. IL-9 plays a role in the complex pathogenesis of bronchial hyperresponsiveness as a risk factor for asthma.

Molecular Weight The predicted molecular weight of Recombinant Mouse IL-9 is Mr 16-25 kDa.

State Of Matter Lyophilized.

Purity >97% by SDS Page and analyzed by silver stain.

Endotoxin <1.0 EU/g as determined by the LAL method.

Storage And Stability

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



GENE INFORMATION

Gene Name	IL9 interleukin 9 [Mus musculus]
Synonyms	IL9; interleukin 9; P40; IL-9
Gene ID	16198
mRNA Refseq	NM_008373
Protein Refseq	NP_032399
UniProt ID	P15247
Chromosome Location	13 B1; 13 35.0 cM
Pathway	Asthma; Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway
Function	cytokine activity; cytokine receptor binding; growth factor activity

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