

Mouse Anti-IL9 Monoclonal Antibody

Cat. No. DMABT-H19268 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Anti-IL9 Monoclonal Antibody
Species	Human
Source	Mouse
Antigen Description	<p>IL-9 is a potent, T cell-derived, T cell growth factor which can also enhance mast cell activity and IL-3- or IL-4- dependent proliferation of bone marrow-derived mast cells. JM-0 synergizes with erythropoietin to promote erythroid colony formation. JM-0 has also been reported to protect human T cells from apoptosis induced by IL-2 withdrawal. JM-0 is upregulated in human eosinophils by TNF-alpha and IL1-beta. JM-0 has been reported to downregulate the oxidative burst in activated human alveolar macrophages and induce TGF-beta production. The NI0B4 antibody reacts with human IL-9. The NI0B4 antibody can inhibit JM-0 bioactivity in vitro.</p>
Target	IL9
Immunogen	Baculovirus-expressed, recombinant human IL-9
Isotype	IgG1, kappa
species	Human
Clone	NI0B4

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Conjugation	Biotin
Applications	ELISA
Preparation	The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.
Usage recommendation	Each lot of this antibody is quality control tested by ELISA assay. For use as an ELISA detection antibody, a concentration range of 0.5-2 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of JM-0 recombinant protein ranging from 1000 to 9 pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.
Concentration	0.5 mg/ml
Storage	The antibody solution should be stored undiluted at 4 °C. Do not freeze.
Size	500 µg
GENE INFORMATION	
Gene Name	IL9 interleukin 9 [Homo sapiens]
Official Symbol	IL9
Synonyms	IL9; interleukin 9; interleukin-9; homolog of mouse T cell and mast cell growth factor 40; HP40; IL 9; P40; p40 cytokine; p40 T cell and mast cell growth factor; T cell growth factor p40; cytokine P40; T-cell growth factor p40; p40 T-cell and mast cell growth factor; IL-9;
Gene ID	3578

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mRNA Refseq	NM_000590
Protein Refseq	NP_000581
MIM	146931
UniProt ID	P15248
Chromosome Location	5q31-q35
Pathway	Asthma, organism-specific biosystem; Asthma, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; JM-0Signaling Pathway, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;
Function	cytokine activity; growth factor activity; interleukin-9 receptor binding;

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