Mouse Anti-IL9 Monoclonal Antibody

Cat. No. DMABT-H19269 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Anti-IL9 Monoclonal Antibody
Species	Human
Source	Mouse
Antigen Description	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-0synergizes with erythropoietin to promote erythroid colony formation.JM-0has also been reported to protect human T cells from apoptosis induced by IL-2 withdrawal.JM-0is upregulated in human eosinophils by TNF-alpha and IL1-beta.JM-0has been reported to downregulate the oxidative burst in activated human alveolar macropahges and induce TGF-beta production. TheNI0B5antibody reacts with human IL-9. TheNI0B5antibody can neutralize the bioactivity of natural or recombinant IL-9.
Target	IL9
Immunogen	Baculovirus-expressed, recombinant human IL-9
Isotype	IgG2b, kappa
species	Human
Clone	NI0B5

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Conjugation	Alexa Fluor 647
Applications	N/A
Preparation	The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor 647.
Usage recommendation	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is 5 µl per 106cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.* Alexa Fluor 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.** Alexa Fluor is a registered trademark of Molecular Probes, Inc. Alexa Fluor dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.View full statement regarding label licenses
Storage	The antibody solution should be stored undiluted at 4 °C and protected from prolonged exposure to light.Do not freeze.
Size	25 tests;100 tests

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

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	growth factor p40; cytokine P40; T-cell growth factor p40; p40 T-cell and mast cell growth factor; IL-9;
Gene ID	3578
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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