

ARG56807 anti-IL9 antibody (Biotin)

Package: 50 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes IL9
Tested Reactivity	Ms
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IL9
Species	Mouse
Immunogen	E.coli derived Recombinant Mouse IL-9. (MQRCSTTWGI RDTNYLIENL KDDPPSKCSC SGNVTSCCL SVPTDDCTTP CYREGLLQLT NATQKSRLLP VFHRVKRIVE VLKNITCPSF SCEKPCNQTM AGNTMSFLKS LLGTFQKTEM QRQKSRP)
Conjugation	Biotin
Alternate Names	IL-9; HP40; Interleukin-9; T-cell growth factor P40; Cytokine P40; P40

Application Instructions

Application table	Application	Dilution
	ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG56699 as a capture antibody
	WB	0.1 - 0.2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

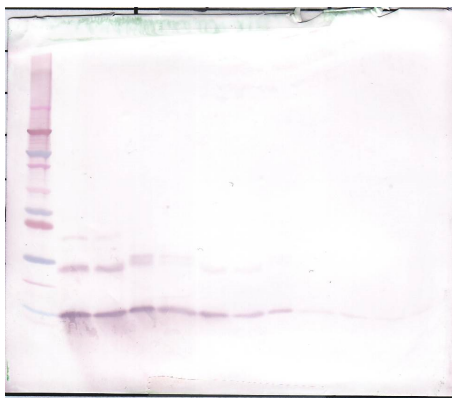
Database links [GeneID: 16198 Mouse](#)
[Swiss-port # P15247 Mouse](#)

Gene Symbol IL9
Gene Full Name interleukin 9

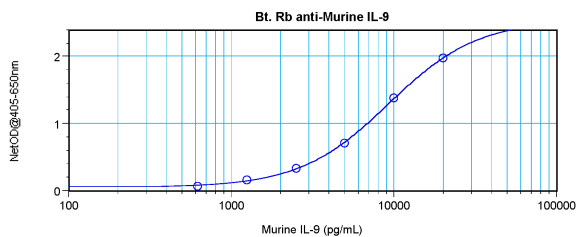
Background The protein encoded by this gene is a cytokine that acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. The gene encoding this cytokine has been identified as a candidate gene for asthma. Genetic studies on a mouse model of asthma demonstrated that this cytokine is a determining factor in the pathogenesis of bronchial hyperresponsiveness. [provided by RefSeq, Jul 2008]

Function Supports IL-2 independent and IL-4 independent growth of helper T-cells. [UniProt]
Calculated Mw 16 kDa

Images



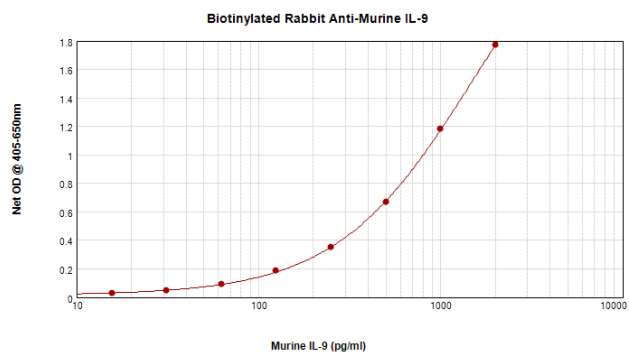
ARG56807 anti-IL9 antibody (Biotin) WB image
Western blot: 250 - 0.24 ng of Mouse IL-9 stained with ARG56807 anti-IL9 antibody (Biotin), under reducing conditions.



ARG56807 anti-IL9 antibody (Biotin) standard curve image
Direct ELISA: ARG56807 anti-IL9 antibody (Biotin) at 0.25 - 1.0 µg/ml results of a typical standard run with optical density.



ARG56807 anti-IL9 antibody (Biotin) WB image
Western blot: 250 - 0.24 ng of Mouse IL-9 stained with ARG56807 anti-IL9 antibody (Biotin), under non-reducing conditions.



ARG56807 anti-IL9 antibody (Biotin) standard curve image

Sandwich ELISA: ARG56807 anti-IL9 antibody (Biotin) as a detection antibody at 0.25 - 1.0 $\mu\text{g/ml}$ combined with ARG56699 anti-IL9 antibody as a capture antibody. Results of a typical standard run with optical density.