ARG56698
anti-IL9 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IL9
Tested Reactivity	Hu
Tested Application	ELISA, Neut, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IL9
Species	Human
Immunogen	E.coli derived Recombinant Human IL-9. (MQGCPTLAGI LDINFLINKM QEDPASKCHC SANVTSCLCL GIPSDNCTRP CFSERLSQMT NTTMQTRYPL IFSRVKKSVE VLKNNKCPYF SCEQPCNQTT AGNALTFLKS LLEIFQKEKM RGMRGKI)
Conjugation	Un-conjugated
Alternate Names	IL-9; HP40; Interleukin-9; T-cell growth factor P40; Cytokine P40; P40

Application Instructions

Application table

Application	Dilution
ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG56808 as a detection antibody
Neut	1.0 - 2.0 µg/ml (To yield [ND50] of the biological activity of Human IL - 9 (5.0 ng/ml))
WB	0.1 - 0.2µg/ml

Application Note

* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

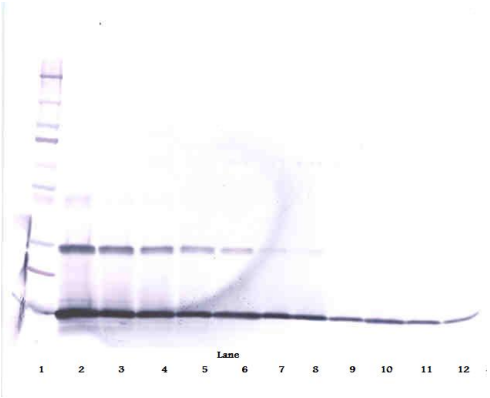
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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

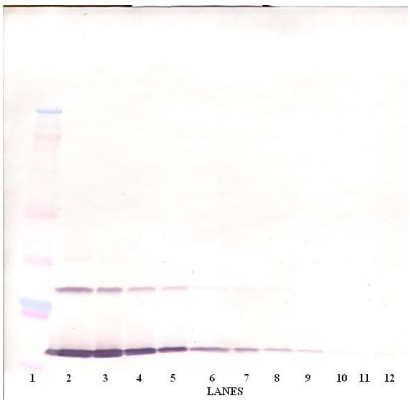
Database links	GeneID: 3578 Human Swiss-port # P15248 Human
Gene Symbol	IL9
Gene Full Name	interleukin 9
Background	The protein encoded by this gene is a cytokine that acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis. It functions 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



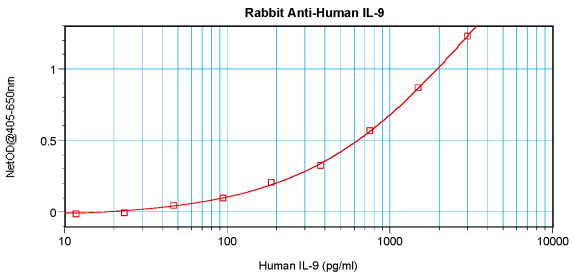
ARG56698 anti-IL9 antibody WB image

Western blot: 250 - 0.24 ng of Human IL-9 stained with ARG56698 anti-IL9 antibody, under reducing conditions.



ARG56698 anti-IL9 antibody WB image

Western blot: 250 - 0.24 ng of Human IL-9 stained with ARG56698 anti-IL9 antibody, under non-reducing conditions.



ARG56698 anti-IL9 antibody standard curve image

Sandwich ELISA: ARG56698 anti-IL9 antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG56808 anti-IL9 antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density.