

Datasheet: AHP2810Z

Description:	RABBIT ANTI MOUSE INTERLEUKIN-9:Preservative Free
Specificity:	IL-9
Format:	Preservative Free
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			0.5 ug/ml - 2.0 ug/ml
Western Blotting	▪			0.1 ug/ml - 0.2 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Mouse
Product Form	Purified IgG - lyophilized
Reconstitution	Reconstitute with 0.1 ml distilled water
Antiserum Preparation	Produced from sera of rabbits immunized with recombinant mouse interleukin-9 and purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	< 0.1 ng/μg of protein (< 1 EU/μg)
Approx. Protein	IgG concentration 1.0 mg/ml after reconstitution

Concentrations

Immunogen *E. coli* derived recombinant mouse interleukin-9

External Database Links

UniProt:

[P15247](#) [Related reagents](#)

Entrez Gene:

[16198](#) II9 [Related reagents](#)

Specificity

Rabbit anti Mouse interleukin-9 antibody, recognizes interleukin-9 (IL-9), also known as cytokine P40 and T cell growth factor P40.

IL-9 is a member of the common gamma chain receptor cytokine family that is expressed by multiple cell types including T cell subsets, neutrophils, eosinophils, natural killer T cells and mast cells ([Noelle & Nowak 2010](#), [Chakraborty et al. 2019](#)).

IL-9 is a ligand of IL-9 receptor alpha (IL-9RA) and upon binding of IL-9 to its receptor the JAK, PI3K, STAT and MAPK signaling pathways can be activated ([Chakraborty et al. 2019](#)). This can then result in the stimulation of expression of genes that play roles in transplant tolerance, allergies, autoimmunity and parasitic infection ([Noelle & Nowak 2010](#)).

Storage

Prior to reconstitution store at -20°C.
After reconstitution store at -20°C.

This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10294 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP2810Z>
10294

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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