

## Datasheet: AHP2810Z

**BATCH NUMBER 156484**

<b>Description:</b>	RABBIT ANTI MOUSE INTERLEUKIN-9:Preservative Free
<b>Specificity:</b>	IL-9
<b>Format:</b>	Preservative Free
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

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

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml after reconstitution
<b>Immunogen</b>	<i>E. coli</i> derived recombinant mouse interleukin-9
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P15247</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">16198</a>    II9    <a href="#">Related reagents</a></p>
<b>Specificity</b>	<p>Rabbit anti Mouse interleukin-9 antibody, recognizes interleukin-9 (IL-9), also known as cytokine P40 and T cell growth factor P40.</p> <p>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 (<a href="#">Noelle &amp; Nowak 2010</a>, <a href="#">Chakraborty et al. 2019</a>).</p> <p>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 (<a href="#">Chakraborty et al. 2019</a>). This can then result in the stimulation of expression of genes that play roles in transplant tolerance, allergies, autoimmunity and parasitic infection (<a href="#">Noelle &amp; Nowak 2010</a>).</p>
<b>Storage</b>	<p>Prior to reconstitution store at -20°C.  After reconstitution store at -20°C.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10294 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP2810Z10294">https://www.bio-rad-antibodies.com/SDS/AHP2810Z10294</a>
<b>Regulatory</b>	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](https://bio-rad-antibodies.com/datasheets)

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