

Datasheet: AHP2800Z

Description:	RABBIT ANTI MOUSE INTERLEUKIN-15:Preservative Free
Specificity:	IL-15
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-15 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-15

External Database Links

UniProt:

[P48346](#) [Related reagents](#)

Entrez Gene:

[16168](#) IL15 [Related reagents](#)

Specificity

Rabbit anti Mouse interleukin-15 antibody, recognizes interleukin-15 (IL-15), a four alpha helix member of the cytokine family of proteins. IL-15 elicits its biological function through a receptor complex composed of IL-2/IL-15 receptor beta. Upon binding of IL-15 to its receptor, the JAK, STAT, PI3K or MAPK signaling pathways can be activated ([Robinson & Schluns 2017](#)). This can result in the stimulation of T cell proliferation, generation of cytotoxic T lymphocytes, stimulation of immunoglobulin synthesis by B cells and the generation and persistence of natural killer cells ([Steel et al. 2012](#)).

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/AHP2800Z10294>

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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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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