

Datasheet: AHP2804Z

Description:	GOAT ANTI MOUSE CXCL16:Preservative Free
Specificity:	CXCL16
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 goats immunized with recombinant mouse CXCL16 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 CXCL16

External Database Links

UniProt:

[Q8BSU2](#) [Related reagents](#)

Entrez Gene:

[66102](#) Cxcl16 [Related reagents](#)

Synonyms Srpsox

Specificity **Goat anti Mouse CXCL16 antibody**, recognizes C-X-C motif Chemokine 16 (CXCL16). Unlike most chemokines, CXCL16 is a membrane bound ligand anchored through transmembrane domains. Although a soluble form of CXCL16 is generated through proteolytic cleavage. Transmembrane CXCL16 is mainly expressed on macrophages, dendritic cells, B cells and various tumor cells. In this form, it acts as an adhesion molecule though the binding of its receptor CXCR6 expressed on other cells including T cells. Transmembrane CXCL16 also binds gram positive and gram negative bacteria, playing a role in innate and adaptive immune responses ([Shimaoka et al. 2003](#)).

Soluble CXCL16 has chemoattractant activity, and elicits this response through the receptor CXCR6. There is also mounting evidence suggesting an additional role in tumor progression. With a number of studies suggesting CXCL16 as a biomarker for the evaluation of some tumor type prognoses ([Richardsen et al. 2015](#), [Shibata et al. 2020](#), [Gooden et al. 2014](#)).

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: 10294: <https://www.bio-rad-antibodies.com/uploads/MSDS/10294.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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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