

Datasheet: MCA2360Z

Description:	MOUSE ANTI PIG TNF ALPHA:Preservative Free
Specificity:	TNF ALPHA
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	6E10
Isotype:	IgG1
Quantity:	0.5 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
Flow Cytometry	▪			
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			
Functional Assays	▪			

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	Pig
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein	IgG concentration 0.5 mg/ml

Concentrations

Immunogen Recombinant porcine TNF alpha.

External Database Links

UniProt:

[P23563](#)

[Related reagents](#)

Entrez Gene:

[397086](#)

TNF

[Related reagents](#)

Synonyms TNFA, TNFSF2

RRID AB_2204233

Specificity

Mouse anti Porcine TNF alpha antibody, clone 6E10 recognizes porcine tumour necrosis factor alpha (TNF alpha). Mouse anti Porcine TNF alpha antibody, clone 6E10 recognizes both native and recombinant TNF alpha.

TNF alpha is expressed by a range of cells including macrophages and monocytes, and is an important mediator of the porcine inflammatory response.

Mouse anti Porcine TNF alpha antibody, clone 6E10 is reported to neutralize the effects of porcine TNF alpha in *in vitro* cytotoxicity assays using WEHI 164 clone 13 murine fibrosarcoma cells ([Su et al. 1992](#)).

References

1. Su, X. *et al.* (1992) Monoclonal antibodies to porcine tumor necrosis factor alpha development of an enzyme-linked immunoabsorbant assay. [J. Immunoassay 13:253-272.](#)
2. Zelnickova, P. *et al.* (2007) Intracellular cytokine detection by flow cytometry in pigs: fixation, permeabilization and cell surface staining. [J Immunol Methods. 327: 18-29.](#)
3. Zelnickova, P. *et al.* (2008) Age-dependent changes of proinflammatory cytokine production by porcine peripheral blood phagocytes. [Vet Immunol Immunopathol. 124: 367-78.](#)
4. Dawson, H.D. *et al.* (2020) Porcine cytokines, chemokines and growth factors: 2019 update. [Res Vet Sci. 131: 266-300.](#)
5. Jarosova, R. *et al.* (2022) Cytokine expression by CD163+ monocytes in healthy and *Actinobacillus pleuropneumoniae*-infected pigs. [Res Vet Sci. 152: 1-9.](#)

Storage

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 #10162 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2360Z>
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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

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