Datasheet: VMA00936

Description:	MOUSE ANTI NCF2
Specificity:	NCF2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	H05/3G6
Isotype:	IgG1
Quantity:	100 µl

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
Immunoprecipitation	▪			
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click here to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse
N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - Liquid

Preparation

Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide

Stabilisers	
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	*E. coli*-derived recombinant protein of amino acids 1-526 of human NCF2
External Database Links	**UniProt:** P19878 Related reagents **Entrez Gene:** 4688 NCF2 Related reagents
Synonyms	NOXA2, P67PHOX
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	**Mouse anti NCF2 antibody** recognizes neutrophil cytosol factor 2, also known as NOXA2 and P67PHOX. NCF2 is a cytosolic component of NADPH oxidase, necessary for phagocyte reactive oxygen species (ROS) production, phagocytic microbicidal activity and innate immunity (Zhang et al. 2018). NCF2 is upregulated in response to p53 induction, and NCF2 knockdown results in reduced production of ROS and stimulates cell death (Italiano et al. 2012). A variant of the gene encoding NCF2 causes altered protein binding and is associated with very early inflammatory bowel disease (Muise et al. 2012). Mutations in NCF2 can result in granulomatous disease, an immunodeficiency characterized by recurrent infections (Tarazona-Santos et al. 2013). Pattern of NCF2 expression has been suggested as a potential diagnostic tool in cervical cancer (Lomnytska et al. 2011).
Western Blotting	Mouse anti NCF2 detects a band of approximately 67 kDa in RAW264.7 cell lysates
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00936 Antibody (10040)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	**Worldwide**	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	**Europe**	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

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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