

Datasheet: VMA00855

BATCH NUMBER 100004555

Description:	MOUSE ANTI IRF8
Specificity:	IRF8
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	CD01/4H2
Isotype:	IgG2a
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
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
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-426 of human IRF8

**External Database
Links**

UniProt:

[Q02556](#)

[Related reagents](#)

Entrez Gene:

[3394](#)

IRF8

[Related reagents](#)

Synonyms

ICSBP1

Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity

Mouse anti IRF8 antibody recognizes interferon regulatory factor 8, also known as ICSBP.

IRF8 is an interferon regulatory factor, a group of proteins with essential roles in the innate and adaptive immune system. IRF8 is a transcription factor, and an important regulator of the function of macrophages, B-cells and dendritic cells, and of differentiation of Th9, Th17, and Treg cells ([Humblin et al. 2017](#)). IRF8 also facilitates the proliferative burst of natural killer cells during acute viral infection ([Adams et al. 2018](#)). IRF8 appears to act as a tumor suppressor in various cancers, including myeloid leukemia ([Gaillard et al. 2018](#)) and breast cancers, with IRF8 downregulated in breast cancers and restoration of gene function suppressing cell proliferation and other processes ([Luo et al. 2017](#)).

Western Blotting

Mouse anti IRF8 antibody detects a band of approximately 50 kDa in Ramos 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/VMA00855>
Antibody (10040)

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

**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](https://www.bio-rad-antibodies.com/datasheets)

'M375094:201216'

