

Datasheet: VMA00855

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:
Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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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