

Datasheet: VMA00855

**BATCH NUMBER 100004555**

<b>Description:</b>	MOUSE ANTI IRF8
<b>Specificity:</b>	IRF8
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	CD01/4H2
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - Liquid
<b>Preparation</b>	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<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](#)

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**Synonyms**

ICSBP1

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**Fusion Partners**

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

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**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](#)).

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**Western Blotting**

Mouse anti IRF8 antibody detects a band of approximately 50 kDa in Ramos cell lysates

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**Storage**

Store undiluted at -20°C, avoiding repeated freeze thaw cycles

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/VMA00855>  
Antibody (10040)

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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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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