

Datasheet: MCA1490

Description:	RAT ANTI MOUSE INTERLEUKIN-6
Specificity:	IL-6
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	MP5-20F3
Isotype:	IgG1
Quantity:	0.5 mg

Product Details

RRID AB_567089

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			▪	

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species Mouse

Product Form Purified IgG - liquid

Preparation Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations IgG concentration 0.5mg/ml

Immunogen Recombinant murine IL-6.

External Database **UniProt:**

Links [P08505](#) [Related reagents](#)

Entrez Gene:

[16193](#) IL6 [Related reagents](#)

Synonyms IL-6

Specificity **Rat anti Mouse Interleukin-6 antibody, clone MP5-20F3** recognizes mouse Interleukin 6 (IL-6). IL-6 is a potent lymphoid cell growth factor which is principally expressed by macrophages and T-cells.

Rat anti Mouse Interleukin-6 antibody, clone MP5-20F3 may be used to neutralize IL-6 bioactivity in a functional assay ([Abrams et al. 1992](#) and [Kambayashi et al. 1995](#)).

References

1. Abrams, J.S. *et al.* (1992) Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. [Immunol Rev. 127: 5-24.](#)
2. Kambayashi, T. *et al.* (1995) Cyclic nucleotide phosphodiesterase type IV participates in the regulation of IL-10 and in the subsequent inhibition of TNF-alpha and IL-6 release by endotoxin-stimulated macrophages. [J Immunol. 155 \(10\): 4909-16.](#)
3. Vankelecom, H. *et al.* (1993) Immunocytochemical evidence that S-100-positive cells of the mouse anterior pituitary contain interleukin-6 immunoreactivity. [J Histochem Cytochem. 41 \(2\): 151-6.](#)
4. Skok, J. *et al.* (1999) Dendritic cell-derived IL-12 promotes B cell induction of Th2 differentiation: a feedback regulation of Th1 development. [J Immunol. 163 \(8\): 4284-91.](#)
5. Ruan, L. *et al.* (2009) Amyloid deposition and inflammation in APPswe/PS1dE9 mouse model of Alzheimer's disease. [Curr Alzheimer Res. 6: 531-40.](#)

Storage Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Goat Anti Rat IgG (STAR72...)	HRP
Rabbit Anti Rat IgG (STAR16...)	DyLight®800

Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) [DyLight®800](#)

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