

Datasheet: MCA746

Description:	MOUSE ANTI HUMAN INTERLEUKIN-6
Specificity:	IL-6
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	B-E8
Isotype:	IgG1
Quantity:	0.5 mg

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
Flow Cytometry			■	
Immunohistology - Frozen (1)	■			
Immunohistology - Paraffin		■		
ELISA	■			
Immunoprecipitation			■	
Western Blotting			■	
Functional Assays (2)	■			20pg neutralizes activity of 1U of IL-6

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.

(1) **The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.**

(2) **This product contains sodium azide, removal by dialysis is recommended prior to use in functional assays. Bio-Rad recommend the use of [EQU003](#) for this purpose.**

Target Species	Human
Species Cross Reactivity	Does not react with: Mouse
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by ion exchange chromatography from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide

Approx. Protein Concentrations	IgG concentration 1 mg/ml
Immunogen	Recombinant full-length human IL-6 expressed in <i>E. coli</i> .
External Database Links	UniProt: P05231 Related reagents Entrez Gene: 3569 IL6 Related reagents
Synonyms	IFNB2
Fusion Partners	Spleen cells from BALB/c mice were fused with cells of the mouse X63 Ag8.653 myeloma cell line.
Specificity	Mouse anti Human Interleukin-6 antibody, clone B-E8 recognizes human interleukin-6 (IL-6), a cytokine and potent inducer of the immune acute phase response.
Affinity	0.5nM
References	1. Lu, Z.Y. <i>et al.</i> (1993) Overall interleukin-6 production exceeds 7 mg/day in multiple myeloma complicated by sepsis. Cytokine 5: 578-582. 2. Wijdenes, J. <i>et al.</i> (1991) Human recombinant dimeric IL-6 binds to its receptor as detected by anti IL-6 monoclonal antibodies. Mol. Immunol. 28: 1183 - 1192. 3. Dechaud, H. <i>et al.</i> (1998) Evaluation of endometrial inflammation by quantification of macrophages, T lymphocytes and interleukin-1 and -6 in human endometrium. J. Assist. Reprod. Genet. 15: 612 - 618. 4. Kimoff, R.J. <i>et al.</i> (2011) Increased upper airway cytokines and oxidative stress in severe obstructive sleep apnoea. Eur Respir J. 38: 89-97. 5. Przemioslo, R.T. <i>et al.</i> (1994) Raised pro-inflammatory cytokines interleukin 6 and tumour necrosis factor alpha in coeliac disease mucosa detected by immunohistochemistry. Gut. 35: 1398-403. 6. Srivani, R. <i>et al.</i> (2003) Molecular logistics of cytokines in cervical cancer. Current Science. 84: 434-438.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10040 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Human Anti Mouse IgG1 (HCA036...)	HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

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
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