

Datasheet: MCA1613

Description:	MOUSE ANTI HUMAN INTERLEUKIN-12
Specificity:	IL-12 p40
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	I-1A4
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	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			1/1000 as detecting antibody
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	Human
Species Cross Reactivity	Reacts with: Pig N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Recombinant human IL-12.

**External Database
Links**

UniProt:

[P29460](#) [Related reagents](#)

Entrez Gene:

[3593](#) IL12B [Related reagents](#)

Synonyms

NKSF2

Fusion Partners

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

Specificity

Mouse anti Human Interleukin-12 antibody, clone I-1A4 recognizes the p40 subunit of human interleukin-12, and binds to both the free subunit and the p35/p40 heterodimer.

Mouse anti Human Interleukin-12 antibody, clone I-1A4 reacts with both stimulated and unstimulated monocytes in immunohistology.

References

1. Visvanathan S *et al.* (2011) Tissue and serum markers of inflammation during the follow-up of patients with giant-cell arteritis--a prospective longitudinal study. [Rheumatology \(Oxford\). 50 \(11\): 2061-70.](#)
2. Nagashima, N. *et al.* (2008) Prognostic significance of the local expression of interleukin-12 in patients with advanced gastric cancer. [Anticancer Res. 28: 1277-83.](#)
3. Carter R.W. *et al.* (1997) Production and characterization of monoclonal antibodies to human interleukin-12. [Hybridoma. 16: 363-9.](#)

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 #10040 available at:
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 (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](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Human Anti Mouse IgG1 (HCA036...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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