

Datasheet: MCA6212GA

Description:	MOUSE ANTI HUMAN INTERLEUKIN-32
Specificity:	IL-32
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	E03-4C9
Isotype:	IgG1
Quantity:	0.1 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
ELISA	▪			1.0 ug/ml

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

Target Species	Human
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 (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> derived recombinant human interleukin-32 (Cys2-Lys131)

**External Database
Links**

UniProt:

[P24001](#) [Related reagents](#)

Entrez Gene:

[9235](#) IL32 [Related reagents](#)

Synonyms

NK4, TAIF

Fusion Partners

Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

Specificity

Mouse anti Human interleukin-32 antibody, clone E03-4C9, recognizes interleukin-32 (IL-32), also known as NK4 and TAIF. IL-32 is a pro-inflammatory cytokine with roles in inflammation and immune regulation, and its expression is strongly regulated by pathogens and pro-inflammatory cytokines ([Hong *et al.* 2017](#)). IL-32 promotes inflammation by upregulating other inflammatory cytokines including TNF- α , IL-1 β , IL-6, INF- γ , and IL-8 ([Al-Shobaili *et al.* 2018](#)). Accordingly, a role for IL-32 has been reported in the pathogenesis of chronic inflammatory diseases including IBD, COPD and RA ([Damen *et al.* 2017](#)). IL-32 is highly expressed in several cancer tissues, and plays a crucial role in cancer development through tumor initiation, cell proliferation, and tumor maintenance ([Yan *et al.* 2018](#)).

The purified Mouse anti Human interleukin-32 antibody, clone E03-4C9 (MCA6212GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human interleukin-32 antibody, clone B01-2A7 ([MCA6213B](#)) as the detection antibody.

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 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 (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR9...)	FITC

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [FITC](#), [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)

Recommended Negative Controls

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

Recommended Useful Reagents

[MOUSE ANTI HUMAN INTERLEUKIN-32:Biotin \(MCA6213B\)](#)

[RECOMBINANT HUMAN INTERLEUKIN-32A \(PHP301\)](#)

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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

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