

Datasheet: MCA6212GA

BATCH NUMBER 100005152

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	<p>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-1β, 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).</p> <p>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.</p>
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6212GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP

Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

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
'M378795:210304'

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