

Datasheet: MCA6213B

Description:	MOUSE ANTI HUMAN INTERLEUKIN-32:Biotin
Specificity:	IL-32
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	B01-2A7
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 conjugated to Biotin - 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) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 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
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Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
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Specificity	<p>Mouse anti Human interleukin-32 antibody, clone B01-2A7, 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 biotinylated Mouse anti Human interleukin-32 antibody, clone B01-2A7 (MCA6213B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human interleukin-32 antibody, clone E03-4C9 (MCA6212GA) as the capture antibody.</p>
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Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN INTERLEUKIN-32 \(MCA6212GA\)](#)

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

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Europe

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Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

