

## Datasheet: MCA6213B

<b>Description:</b>	MOUSE ANTI HUMAN INTERLEUKIN-32:Biotin
<b>Specificity:</b>	IL-32
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	B01-2A7
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG conjugated to Biotin - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml
<b>Immunogen</b>	<i>E. coli</i> derived recombinant human interleukin-32 (Cys2-Lys131)
<b>External Database Links</b>	<b>UniProt:</b>

[P24001](#)   [Related reagents](#)

**Entrez Gene:**

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

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<b>Synonyms</b>	NK4, TAIF
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<b>Fusion Partners</b>	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
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<b>Specificity</b>	<p><b>Mouse anti Human interleukin-32 antibody, clone B01-2A7</b>, 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 (<a href="#">Hong et al. 2017</a>). IL-32 promotes inflammation by upregulating other inflammatory cytokines including TNF-<math>\alpha</math>, IL-1<math>\beta</math>, IL-6, INF-<math>\gamma</math>, and IL-8 (<a href="#">Al-Shobaili et al. 2018</a>). Accordingly, a role for IL-32 has been reported in the pathogenesis of chronic inflammatory diseases including IBD, COPD and RA (<a href="#">Damen et al. 2017</a>). 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 (<a href="#">Yan et al. 2018</a>).</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 (<a href="#">MCA6212GA</a>) as the capture antibody.</p>
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<b>Storage</b>	<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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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6213B">https://www.bio-rad-antibodies.com/SDS/MCA6213B</a> 10041
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Useful Reagents

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

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

**North & South**   Tel: +1 800 265 7376

**America**   Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto:antibody_sales_uk@bio-rad.com)

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Email: [antibody\\_sales\\_de@bio-rad.com](mailto: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://bio-rad-antibodies.com/datasheets)  
'M384122:210513'

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