

## Datasheet: MCA6410GA

**BATCH NUMBER 100007434**

<b>Description:</b>	MOUSE ANTI HUMAN SINTBAD
<b>Specificity:</b>	SINTBAD
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AB01/2C8
<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
Western Blotting	▪			1/1000

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 - 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> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant protein, aa 1-279 of human TBKBP1

**External Database  
Links**

**UniProt:**

[A7MCY6](#)   [Related reagents](#)

**Entrez Gene:**

[9755](#)   TBKBP1   [Related reagents](#)

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**Synonyms**

KIAA0775

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**Specificity**

**Mouse anti Human SINTBAD antibody** recognizes the protein SINTBAD, otherwise known as TANK-binding kinase 1-binding protein 1 or TBK1-binding protein 1.

SINTBAD acts as an adaptor protein and plays a role in antiviral innate responses by essentially binding to TBK1 and IKBKE ([Ryzhakov and Randow, 2007](#)). Interaction of these kinases induces phosphorylation and following activation of IRF-3 transcription factor thus leading to gene regulation for immune responses ([Fitzgerald et al. 2003](#)). There is evidence that show IKBKE and TBK1 are crucial oncogenes for activation of a number of signalling pathways in numerous tumours ([Wang et al. 2019](#)). In addition, SINTBAD protein is involved in the facilitation autophagy-initiating kinase ULK1 to control IL-15-induced autophagy in natural killer T cells ([Zhu et al. 2018](#)).

Mouse anti Human SINTBAD antibody detects a band of 80 kDa.

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**Western Blotting**

Mouse anti Human SINTBAD antibody detects a band of 80 kDa in HEK293 cell lysates

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**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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6410GA>  
10040

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>

Goat Anti Mouse IgG (STAR76...)

[RPE](#)

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 (STAR13...)

[HRP](#)

Goat Anti Mouse IgG (Fc) (STAR120...)

[FITC](#), [HRP](#)

## Recommended Negative Controls

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

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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](https://bio-rad-antibodies.com/datasheets)

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