

Datasheet: MCA6277B

**BATCH NUMBER 100005273**

<b>Description:</b>	MOUSE ANTI HUMAN RAGE:Biotin
<b>Specificity:</b>	RAGE
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	A09-5H8
<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</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	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 full length RAGE (Ala23-Pro404)

**External Database  
Links**

**UniProt:**

[Q15109](#)   [Related reagents](#)

**Entrez Gene:**

[177](#)   [AGER](#)   [Related reagents](#)

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**Synonyms**

RAGE

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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**

**Mouse anti Human RAGE antibody, clone A09-5H8**, recognizes Receptor for Advanced Glycosylation End products (RAGE), also known as advanced glycosylation end product-specific receptor.

RAGE is a multi-ligand receptor belonging to the immunoglobulin receptor subfamily. It has many endogenous and exogenous ligands and upon binding of a ligand, RAGE can stimulate various signaling pathways including NF- $\kappa$ B, AP-1, CREB and STAT3. Triggering these pathways can then induce cytokine/chemokine transcription ([Sorci et al. 2013](#)). This can be used to regulate the innate immune response, inflammation resolution, tissue homeostasis and tissue repair following injury ([Plotkin et al. 2019](#)).

The biotinylated Mouse anti Human RAGE antibody, clone A09-5H8 (MCA6277B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human RAGE antibody, clone B02-4G7 ([MCA6276GA](#)) as the capture antibody.

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**Storage**

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

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.

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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:  
<https://www.bio-rad-antibodies.com/SDS/MCA6277B>  
10041

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Useful Reagents

[MOUSE ANTI HUMAN RAGE \(MCA6276GA\)](#)

**North & South  
America**

Tel: +1 800 265 7376

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)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

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)  
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