

## Datasheet: MCA6277B

<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 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 full length RAGE (Ala23-Pro404)
<b>External Database Links</b>	<b>UniProt:</b>

**Entrez Gene:**

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

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<b>Synonyms</b>	RAGE
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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 RAGE antibody, clone A09-5H8</b>, recognizes Receptor for Advanced Glycosylation End products (RAGE), also known as advanced glycosylation end product-specific receptor.</p> <p>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-<math>\kappa</math>B, AP-1, CREB and STAT3. Triggering these pathways can then induce cytokine/chemokine transcription (<a href="#">Sorci et al. 2013</a>). This can be used to regulate the innate immune response, inflammation resolution, tissue homeostasis and tissue repair following injury (<a href="#">Plotkin et al. 2019</a>).</p> <p>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 (<a href="#">MCA6276GA</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: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
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<b>Regulatory</b>	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  
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Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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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://www.bio-rad-antibodies.com/datasheets)

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