Datasheet: MCA6277B

Description:	MOUSE ANTI HUMAN RAGE:Biotin
Specificity:	RAGE
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	A09-5H8
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

E. coli derived recombinant human full length RAGE (Ala23-Pro404)

External Database Links

UniProt:

Q15109 Related reagents

Entrez Gene:

177 AGER Related reagents

Synonyms	RAGE
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
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-κB, 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 as the capture antibody.
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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA6277B 10041
Regulatory	For research purposes only

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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

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