

Datasheet: MCA6276GA

BATCH NUMBER 100005324

Description:	MOUSE ANTI HUMAN RAGE
Specificity:	RAGE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	B02-4G7
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 - 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)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<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
Synonyms	RAGE
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
Specificity	<p>Mouse anti Human RAGE antibody, clone B02-4G7, 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-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).</p> <p>The purified Mouse anti Human RAGE antibody, clone B02-4G7 (MCA62676GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human RAGE antibody, clone A09-5H8 (MCA6277B) as the detection antibody.</p>
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6276GA 10040</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP

Goat Anti Mouse IgG (STAR70...) [FITC](#)
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 (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

Recommended Useful Reagents

[MOUSE ANTI HUMAN RAGE:Biotin \(MCA6277B\)](#)

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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
'M378823:210304'

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