

Mouse anti-Human RAGE Monoclonal Antibody | anti-RAGE antibody

Mouse anti Human RAGE:Biotin

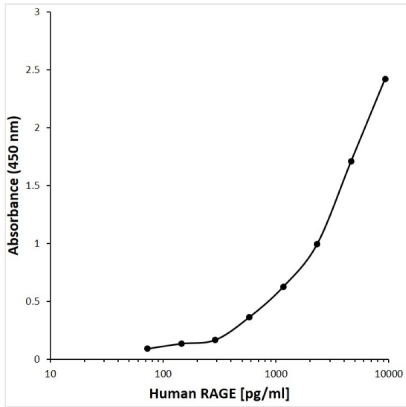
CATALOG # AAA50429	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

RAGE; Monoclonal Antibody; Mouse anti Human RAGE:Biotin; RAGE antibody | A09-5H8; anti-RAGE antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	A09-5H8
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Form/Format	Phosphate buffered saline 0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin Purified IgG conjugated to Biotin - liquid
Concentration	IgG concentration 0.1mg/ml (varies by lot)
Applicable Applications for anti-RAGE antibody	ELISA
Immunogen	E Coli derived recombinant human full length RAGE (Ala23-Pro404)
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
Conjugation	Biotin
Preparation and Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20 degree C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8 degree C for short term use (up to 4 weeks) and store the remaining aliquots at -20 degree C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.



ELISA
Sandwich ELISA analysis of human RAGE using Mouse anti Human RAGE as a capture reagent and biotinylated Mouse anti Human RAGE (AAA50429) as a detection reagent with purified recombinant RAGE as the antigen. Detection was performed using HRP co

ADDITIONAL INFORMATION

Related Product Information for anti-RAGE antibody	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-kappaB, 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 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	332800988
NCBI GeneID	177
NCBI Accession #	NP_001193895.1
NCBI GenBank Nucleotide #	NM_001206966.1
UniProt Accession #	Q15109; Q15279; Q3L1R7; Q86SN1; Q9H2X7; Q9Y3R3; A2BFI7; A6NKF0; B0V176
Molecular Weight	42,803 Da
NCBI Official Full Name	advanced glycosylation end product-specific receptor isoform 6
NCBI Official Synonym Full Names	advanced glycosylation end product-specific receptor
NCBI Official Symbol	AGER
NCBI Official Synonym Symbols	RAGE
NCBI Protein Information	advanced glycosylation end product-specific receptor; RAGE isoform sRAGE-delta; RAGE isoform NtRAGE-delta
UniProt Protein Name	Advanced glycosylation end product-specific receptor
UniProt Gene Name	AGER
UniProt Synonym Gene Names	RAGE
UniProt Entry Name	RAGE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/rage-antibody-clone-a09-5h8-elisa/50429>