

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

Anti-RAGE [2A11]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72113	Mouse	Human	Flow Cytometry, Functional Assay, ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

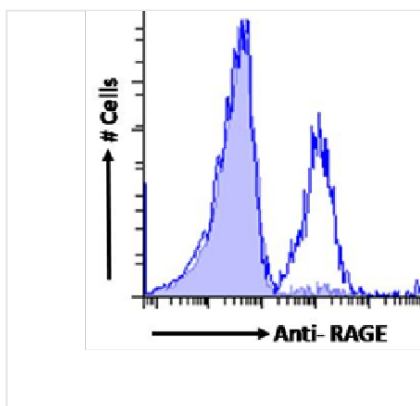
PRODUCT SYNONYMS

RAGE; Monoclonal Antibody; Anti-RAGE [2A11]; AGER; advanced glycosylation end product-specific receptor; receptor for advanced glycosylation end products; anti-RAGE antibody

PRODUCT SPECIFICATIONS

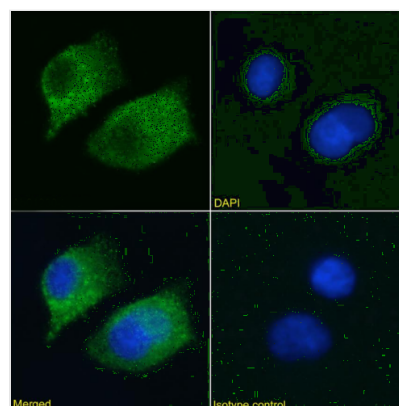
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1, kappa
Clone Number	2A11
Specificity	2A11 is specific for the V-domain of human advanced glycosylation end product-specific receptor. It recognizes both the glycosylated and non-glycosylated forms.
Purity/Purification	Purified antibody. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-RAGE antibody	SPR (Surface Plasmon Resonance), FCM/FACS (Flow Cytometry), ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



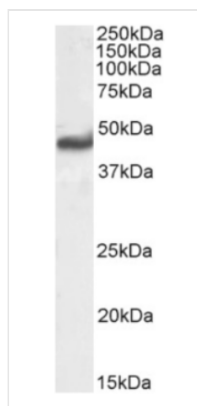
FCM/FACS (Flow Cytometry)

Flow-cytometry using the Anti-RAGE antibody 2A11. A549 cells were stained with anti-Fluorescein IgG antibody (4-4-20; isotype control, shaded line) or the rabbit IgG version of 2A11 at a dilution of 1:100 for 1h at RT. After washing, bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



IF (Immunofluorescence)

Immunofluorescence staining of A549 cells using anti-RAGE antibody 2A11. Immunofluorescence analysis of paraformaldehyde fixed A549 cells stained with the chimeric rabbit IgG version of 2A11 at 10ug/ml followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody followed by Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western Blot using anti-RAGE antibody 2A11 . Human lung lysate (35ug protein in RIPA buffer) was resolved on an SDS PAGE gel and blots probed with the chimeric rabbit IgG version of 2A11 at 0.03ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-RAGE antibody	Recombinant monoclonal antibody to RAGE. Recombinant Platform with variable regions (i.e. specificity) from the hybridoma 2A11. Human RAGE protein.
Product Categories/Family for anti-RAGE antibody	theranostics ; glycosylation
References	Jyoti, 2012. Development of new antibody based theranostic agents targeting the receptor for advanced glycation end-product (RAGE). Dissertation Submitted to the Graduate Faculty of the North Dakota State University of Agriculture and Applied Science Note on publication: Describes the characterisation of 2A11 through ELISA, SPR, FC, and IH experiments.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q15109
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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-2a11-surface-plasmon-resonance-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/72113>