

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

Anti-RAGE [2A11]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72114	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

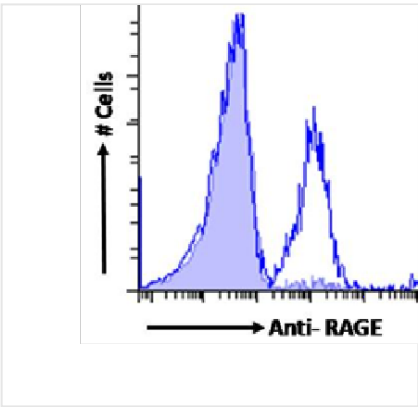
PRODUCT SYNONYMS

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

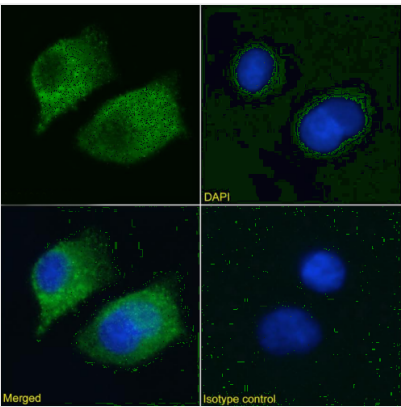
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG, 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)
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

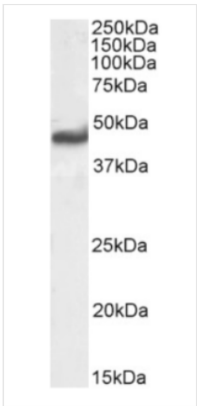
IMAGES



FCM/FACS (Flow Cytometry)
Flow-cytometry using the Anti-RAGE antibody 2A11 (AAA72114). A549 cells were stained with anti-Fluorescein IgG antibody (4-4-20; isotype control, shaded line) or the rabbit IgG version of 2A11 (, blue line) 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 (AAA72114) 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 (AAA72114). 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.

