

## Anti-RAGE [2A11] Standard Size Ab01230-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** 2A11

**Alternative Name(s) of Target:** AGER; advanced glycosylation end product-specific receptor; receptor for advanced glycosylation end products

**UniProt Accession Number of Target Protein:** Q15109

**Published Application(s):** SPR, Western blot, ELISA, FC, IF, IHC

**Published Species Reactivity:** Human

**Immunogen:** Human RAGE protein.

**Specificity:** 2A11 is specific for the V-domain of human advanced glycosylation end product-specific receptor. It recognises both the glycosylated and non-glycosylated forms.

**Application Notes:** ELISA confirmed the specificity of 2A11 for the V-domain of RAGE, with a binding affinity (Kd) of 7.6 nM. ELISA was also used to confirm that the binding of 2A11 to RAGE is glycosylation independent. In SPR experiments the Kd of 2A11 binding to RAGE was determined as 0.38 nM. Flow cytometry and immunochemistry were used to visualise the binding of 2A11 to HEK-RAGE cells.

**Antibody First Published in:** 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 [PMID:](#)

**Note on publication:** Describes the characterisation of 2A11 through ELISA, SPR, FC, and IH experiments.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.