

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human EN-RAGE/S100A12 in Western blots.
Source	Monoclonal Mouse IgG _{2A} Clone # 161212
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human EN-RAGE/S100A12 Met1-Glu92 Accession # NP_005612
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

EN-RAGE, also known as S100A12 and Calgranulin C, is a 10 kDa secreted molecule that belongs to the S100 family of calcium-binding proteins. EN-RAGE contains two EF-hand domains and forms dimers and hexamers in solution. EN-RAGE is overexpressed at sites of inflammation and interacts with RAGE on endothelial cells, lymphocytes, and monocytes to promote inflammatory responses. Human EN-RAGE shares 66% and 70% amino acid sequence identity with bovine and porcine EN-RAGE, respectively; mouse and rat orthologs have not been identified.

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