

For Research Use Only

CoraLite® Plus 488-conjugated AGER/RAGE Recombinant monoclonal antibody

Catalog Number: CL488-83759-5



Basic Information

Catalog Number: CL488-83759-5	GenBank Accession Number: GeneID (NCBI): 81722	Purification Method: Protein A purification
Source: Rabbit	UNIPROT ID: Q63495	CloneNo.: 240706C3
Isotype: IgG	Full Name: advanced glycosylation end product- specific receptor	Recommended Dilutions: IF-P: 1:50-1:500
Immunogen Catalog Number: EG1135	Calculated MW: 43 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Observed MW: 43 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P: mouse lung tissue,
Species Specificity: mouse, rat	

Background Information

Advanced glycosylation end product-specific receptor (AGER, also known as RAGE) is a member of the immunoglobulin superfamily of cell surface receptors, which interacts with distinct families of ligands, mediating diverse functions in a broad array of cell types including cellular migration, proliferation, survival and apoptosis (PMID: 12645002; 17425919). It senses endogenous stress signals with a broad ligand repertoire including advanced glycation end products, S100 proteins, high-mobility group box 1 protein/HMGB1, amyloid beta/APP oligomers, nucleic acids, phospholipids and glycosaminoglycans (PMID: 19910580; 28627626). It interacts with distinct molecules implicated in homeostasis, development, inflammation, and certain diseases such as diabetes and Alzheimer's disease (PMID: 26253613; 31079281).

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

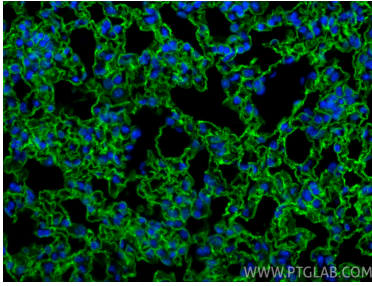
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse lung tissue using CoraLite® Plus 488 AGER/RAGE antibody (CL488-83759-5, Clone: 240706C3) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).