

For Research Use Only

# CoraLite® Plus 488-conjugated ACE Recombinant monoclonal antibody

Catalog Number: CL488-84407-4



## Basic Information

Catalog Number: CL488-84407-4	GenBank Accession Number: NM_000789.4	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 1636	CloneNo.: 241763E3
Isotype: IgG	UNIPROT ID: P12821-1	Recommended Dilutions: IF-P: 1:50-1:500
Immunogen Catalog Number: EG2298	Full Name: angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 150kDa	
	Observed MW: 170-180 kDa	

## Applications

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

## Background Information

ACE(Angiotensin-converting enzyme) is also named as DCP, DCP1 and belongs to the peptidase M2 family. It is involved in catalyzing the conversion of angiotensin I into a physiologically active peptide angiotensin II. ACE also has a glycosidase activity which releases GPI-anchored proteins from the membrane by cleaving the mannose linkage in the GPI moiety. It has 4 isoforms produced by alternative splicing. The full length protein has 15 glycosylation sites and it can show a molecular weight of 170 kDa(PMID:16804085).

## 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:

T: 4006900926

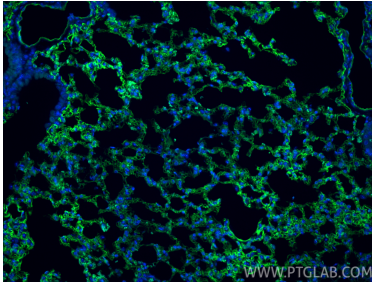
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse lung tissue using CoraLite® Plus 488 ACE antibody (CL488-84407-4, Clone: 241763E3 ) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).