

For Research Use Only

# Mouse RAGE Recombinant antibody, PBS Only

Catalog Number: 83742-5-PBS



## Basic Information

**Catalog Number:**

83742-5-PBS

**Size:**

100ug , Concentration: 1 mg/ml by  
Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_007425.3

**GeneID (NCBI):**

11596

**UNIPROT ID:**

Q62151-1

**Full Name:**

advanced glycosylation end product-  
specific receptor

**Calculated MW:**

43 kDa

**Observed MW:**

42-55 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

240774F11

## Applications

**Tested Applications:**

WB, IHC, IF-P, ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

The receptor for advanced glycation end products (RAGE) is a cell surface transmembrane multiligand receptor, also known as Ager, is a multiligand member of the immunoglobulin superfamily. It has many isoforms and is predominantly expressed in the lung. AGER expression is upregulated in many diseases such as Alzheimer's disease, diabetes mellitus, atherosclerosis, and rheumatoid arthritis (PMID: 35099614).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

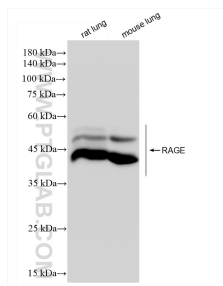
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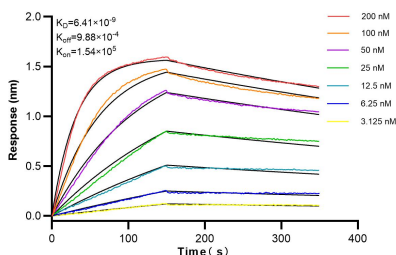
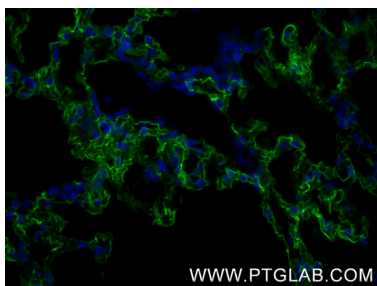
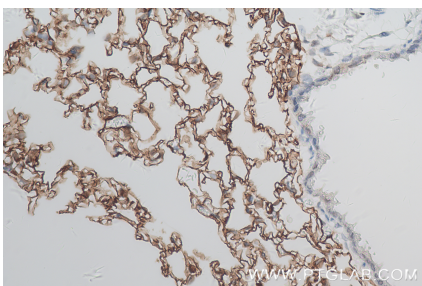
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83742-5-RR (RAGE antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83742-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83608-4-RR against Human ATM were performed. The affinity constant is 2.58 nM. Biolayer interferometry (BLI) kinetic assays of 83608-4-RR against Mouse RAGE were performed. The affinity constant is 6.41 nM.