

ACE2 Conjugated Antibody

Catalog No: #C36103



Package Size: #C36103-AF350 100ul #C36103-AF405 100ul #C36103-AF488 100ul

#C36103-AF555 100ul #C36103-AF594 100ul #C36103-AF647 100ul

#C36103-AF680 100ul #C36103-AF750 100ul #C36103-Biotin 100ul

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Description

| | |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name | ACE2 Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Species Reactivity | Hu |
| Specificity | The antibody detects endogenous levels of total ACE2 protein. |
| Immunogen Description | Fusion protein corresponding to a region derived from internal residues of human angiotensin I converting enzyme (peptidyl-dipeptidase A) 2 |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | ACEH |
| Accession No. | Swiss-Prot#:Q9BYF1NCBI Gene ID:59272NCBI Protein#:BC039902 |
| Uniprot | Q9BYF1 |
| GeneID | 59272; |
| Excitation Emission | AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases and has considerable homology to human angiotensin 1 converting enzyme. This secreted protein catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angiotensin II into the vasodilator angiotensin 1-7. The organ- and cell-specific expression of this gene suggests that it may play a role in the regulation of cardiovascular and renal function, as well as fertility. In addition, the encoded protein is a functional receptor for the spike glycoprotein of the human coronaviruses SARS and HCoV-NL63

Note: This product is for in vitro research use only