

## 36-2160: Anti-Angiotensin I Converting Enzyme (ACE) / CD143 Monoclonal Antibody(Clone: 9B9)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	9B9
<b>Application :</b>	ELISA
<b>Reactivity :</b>	Human
<b>Gene :</b>	ACE
<b>Gene ID :</b>	1636
<b>Uniprot ID :</b>	P12821
<b>Alternative Name :</b>	ACE; ACE1; angiotensin 1 converting enzyme 1; carboxypeptidase; CD143; CD143 antigen; DCP; DCP1; dipeptidyl carboxypeptidase 1; Kininase II; MVCD3; peptidase P; testicular ECA
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Full-length recombinant human ACE/CD143 protein

### Description

This gene encodes an enzyme involved in catalyzing the conversion of angiotensin I into a physiologically active peptide angiotensin II. Angiotensin II is a potent vasopressor and aldosterone-stimulating peptide that controls blood pressure and fluid-electrolyte balance. This enzyme plays a key role in the renin-angiotensin system. Many studies have associated the presence or absence of a 287 bp Alu repeat element in this gene with the levels of circulating enzyme or cardiovascular pathophysiologies. Two most abundant alternatively spliced variants of this gene encode two isozymes - the somatic form and the testicular form that are equally active. Multiple additional alternatively spliced variants have been identified but their full length nature has not been determined.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

ELISA (For coating, order antibody without BSA);

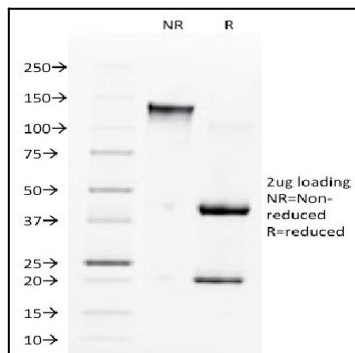


Fig. 1: SDS-PAGE Analysis Purified ACE / CD143 Mouse Monoclonal Antibody (9B9). Confirmation of Integrity and Purity of Antibody.

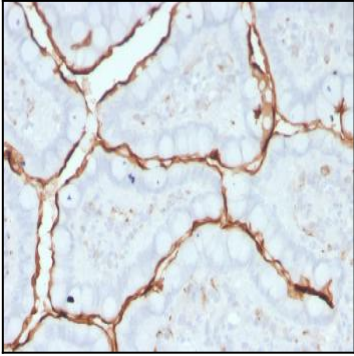


Fig. 2: Formalin-fixed, paraffin-embedded human small intestine stained with ACE / CD143 Mouse Monoclonal Antibody (9B9).

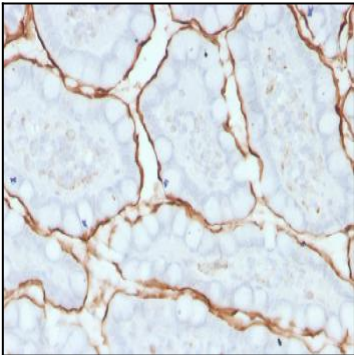


Fig. 3: Formalin-fixed, paraffin-embedded human small intestine stained with ACE / CD143 Mouse Monoclonal Antibody (9B9).