

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

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

Amount :	20 µg / 100 µg
Content :	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.
Storage condition :	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);

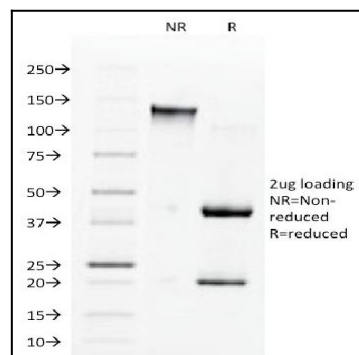


Fig. 1: SDS-PAGE Analysis Purified ACE / CD143 Mouse Monoclonal Antibody (9B9). Confirmation of Integrity and Purity of Antibody.

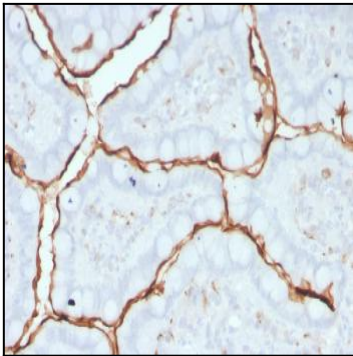


Fig. 2: Formalin-fixed, paraffin-embedded human small intestine stained with ACE / CD143 Mouse Monoclonal Antibody (9B9).

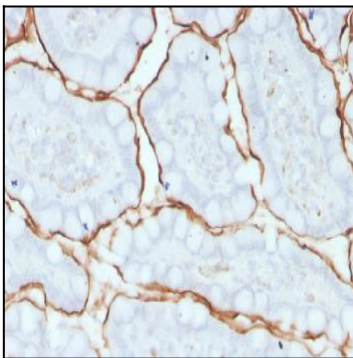


Fig. 3: Formalin-fixed, paraffin-embedded human small intestine stained with ACE / CD143 Mouse Monoclonal Antibody (9B9).