Angiotensin I Converting Enzyme (ACE) / CD143 Antibody

Mouse Monoclonal Antibody [Clone 9B9]

Catalog No	Format	Size
1636-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1636-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1636-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

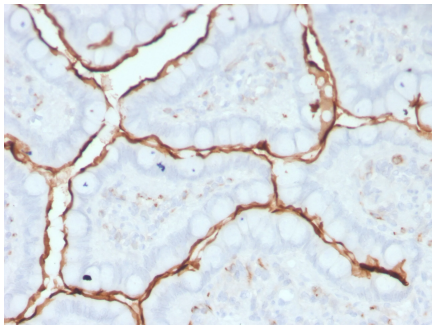
Applications	Tested Dillution	Note

Product Details

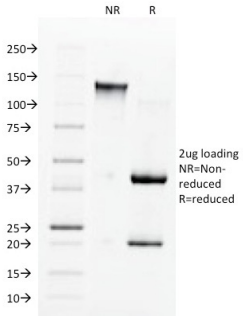
Clone	9B9
Gene Name	ACE
Immunogen	Full-length recombinant human ACE/CD143 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	150kDa
Cellular Localization	Cell membrane, Cytoplasm, Secreted
Species Reactivity	Human
Positive Control	Ubiquitously expressed, with highest levels in lung, kidney, heart, gastrointestinal system and prostate.

**Optimal dilution for a specific application should be determined.*

Product Images for Angiotensin I Converting Enzyme (ACE) / CD143 Antibody



Formalin-fixed, paraffin-embedded human small intestine stained with ACE / CD143 Mouse Monoclonal Antibody (9B9). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.



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

Specificity & Comments

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.

Supplied As

200ug/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 and Stability

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. No MSDS required.

Research Areas

Cardiovascular, Endothelial Cell Marker

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.