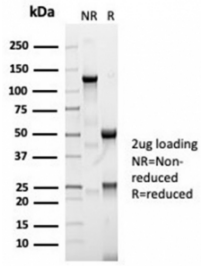
ACE Antibody / Angiotensin I Converting Enzyme [clone ACE/7004R] (V9552)

Catalog No.	Formulation	Size
V9552-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9552-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9552SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	ACE/7004R
Purity	Protein A/G affinity
UniProt	P12821
Localization	Cell Surface
Applications	ELISA (order BSA-free format for coating)
Limitations	This ACE antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free ACE antibody (clone ACE/7004R) as confirmation of integrity and purity.

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.

This antibody can be compared with our Angiotensin Converting Enzyme Antibody (clone ACE/3764) for consistent detection of ACE / CD143 in endothelial and vascular biology studies.

Application Notes

Optimal dilution of the ACE antibody should be determined by the researcher.

Immunogen

A portion of amino acids 652-788 was used as the immunogen for the ACE antibody.

Storage

Aliquot the ACE antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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