

# Angiotensin I Antibody (BGN/KA/4H)

Lot Number: 74645185

Product Data Sheet

## Tested Species Reactivity

Human (Hu)

## Tested Applications

ELISA (ELISA)

## Dilution \*

Assay Dependent

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

## Details

<b>Catalog Number:</b>	MA1-82995
<b>Size:</b>	200 µg
<b>Class:</b>	Monoclonal
<b>Type:</b>	Antibody
<b>Clone:</b>	BGN/KA/4H
<b>Host / Isotype:</b>	Mouse / IgG2a
<b>Immunogen:</b>	HMW conjugate Synthetic peptide corresponding to amino acids 40-49 of the angiotensinogen precursor (Swiss-Prot entry P01019).

## Form Information

<b>Form:</b>	Liquid
<b>Concentration:</b>	1mg/ml
<b>Purification:</b>	Protein G
<b>Storage Buffer:</b>	PBS, pH 7.2
<b>Preservative:</b>	0.09% sodium azide
<b>Storage Conditions:</b>	4°C or -20°C if preferred

## Product Specific Information

This antibody does not react with angiotensin II, III, or angiotensinogen in ELISA.

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## General Information

The protein encoded by this gene, pre-angiotensinogen or angiotensinogen precursor, is expressed in the liver and is cleaved by the enzyme renin in response to lowered blood pressure. The resulting product, angiotensin I, is then cleaved by angiotensin converting enzyme (ACE) to generate the physiologically active enzyme angiotensin II. The protein is involved in maintaining blood pressure and in the pathogenesis of essential hypertension and preeclampsia. Mutations in this gene are associated with susceptibility to essential hypertension, and can cause renal tubular dysgenesis, a severe disorder of renal tubular development. Defects in this gene have also been associated with non-familial structural atrial fibrillation, and inflammatory bowel disease.

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