Datasheet: 0500-0011

Description:	MOUSE ANTI HUMAN ANGIOTENSIN I
Specificity:	ANGIOTENSIN I
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	13/96/Ang C9 (BGN/KA/22H)
Isotype:	IgG2b
Quantity:	0.2 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Western Blotting			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN_3)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	HMW conjugate.
External Database Links	**UniProt:** P01019 Related reagents **Entrez Gene:**

183 AGT Related reagents

Synonyms	SERPINA8
Specificity	**Mouse anti Human angiotensin I antibody, clone 13/96/Ang C9** recognizes angiotensin I, a 10 amino acid peptide derived by the proteolytic processing of angiotensinogen. Angiotensin I is important in the Renin-Angiotensin-Aldosterone System (RAAS). RAAS is responsible for the regulation of blood pressure and water retention in the body. Angiotensin I is produced from a reaction between the renal enzyme Renin and angiotensinogen. It is further converted by Angiotensin Converting Enzyme (ACE) into a vasoactive form called Angiotensin II which is responsible for increasing blood pressure. Mouse anti Human angiotensin I antibody does not react with angiotensin II, III or angiotensinogen in ELISA.
ELISA	In a simple indirect ELISA, using 1.0 µg of Angiotensin I coated per well, the 50% binding was observed at an antibody dilution of 1/950. Under the same conditions, the end point titre was observed at an antibody dilution of 1/10K.
References	1. Luna-Vital, D.A. *et al.* (2016) Dietary peptides from the non-digestible fraction of *Phaseolus vulgaris* L. decrease angiotensin II-dependent proliferation in HCT116 human colorectal cancer cells through the blockade of the renin-angiotensin system. Food Funct. 7 (5): 2409-19.
Storage	Store at +4^{o}C or at -20^{o}C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet Documentation #10040 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

Human Anti Mouse IgG2b (HCA038...) FITC, HRP

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