

Datasheet: MCA4657

Description:	MOUSE ANTI HUMAN C-PEPTIDE
Specificity:	C-PEPTIDE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	7E10
Isotype:	IgG1
Quantity:	0.2 mg

Product Details

RRID AB_2085630

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	▪			
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays			▪	

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 appropriate negative/positive controls.

Target Species Human

Product Form Purified IgG - liquid

Preparation Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations IgG concentration 1.0mg/ml

Immunogen Recombinant C-peptide.

Fusion Partners Spleen cells from immunised Balb/c mice were fused with cells of the X63-Ag8-653 myeloma cell

line.

Specificity **Mouse anti Human C-Peptide antibody, clone 7E10** recognizes human C-peptide. C-peptide is a 31 amino acid peptide released when proinsulin is split into insulin and C-peptide. Proinsulin is split when it is released from the pancreas into the blood in response to a rise in serum glucose levels. C-peptide function is not fully understood, it binds to cell membranes which leads to increased intracellular Ca^{2+} , K^+ -ATPase and endothelial nitric oxide synthase activities. C-peptide also functions in repair of the muscular layer of arteries. Levels of C-peptide can be used to distinguish between type 1 and type 2 diabetes. Patients with type 1 diabetes will usually have decreased levels of C-peptide, while patients with type 2 diabetes will have normal or higher than normal levels.

Mouse anti Human C-Peptide antibody, clone 7E10 does not cross-react with human, bovine, porcine, mouse or rat insulin.

Storage Store at +4°C or at -20°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.

Guarantee 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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