

Datasheet: 1700-0204

BATCH NUMBER 090715

Description:	MOUSE ANTI HUMAN C-PEPTIDE
Specificity:	C-PEPTIDE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	C-PEP-01
Isotype:	IgG1
Quantity:	0.25 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
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 sequential precipitation with caprylic acid and ammonium sulphate.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen Human C-peptide conjugated to BSA.

External Database

Links

UniProt:

[P01308](#) [Related reagents](#)

Entrez Gene:

[3630](#) INS [Related reagents](#)

RRID AB_617247

Specificity

Mouse anti C-peptide antibody, clone C-PEP-01 recognizes human C-peptide (also known as connecting peptide) a peptide released when proinsulin is cleaved to produce insulin. It can also be used to detect proinsulin.

References

1. Hilgert, I. *et al.* (1991) A monoclonal antibody applicable for determination of C-peptide of human proinsulin by RIA. [Hybridoma. 10: 379-86.](#)
 2. Afrikanova, I. *et al.* (2011) Inhibitors of Src and focal adhesion kinase promote endocrine specification: impact on the derivation of β -cells from human pluripotent stem cells. [J Biol Chem. 286 \(41\): 36042-52.](#)
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Further Reading

1. Vasic, D. & Walcher, D. (2012) C-peptide: a new mediator of atherosclerosis in diabetes. [Mediators Inflamm. 2012: 858692.](#)
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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

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/1700-0204>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)

Goat Anti Mouse IgG (STAR76...) [RPE](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Goat Anti Mouse IgG (STAR70...) [FITC](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Goat Anti Mouse IgG (STAR77...) [HRP](#)

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M362919:200528'

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