

**Anti-C-Peptide Antibody (3E8D9)**  
**Mouse Monoclonal Antibody**  
**Catalog # ABV12089****Specification**

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**Anti-C-Peptide Antibody (3E8D9) - Product Information**

Application	E
Primary Accession	<a href="#">P01308</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1, κ

**Anti-C-Peptide Antibody (3E8D9) - Additional Information****Gene ID** 3630

Positive Control	ELISA
<b>Target/Specificity</b>	
C-peptide	

**Antibody Form**  
Liquid**Appearance**  
Colorless liquid**Reconstitution & Storage**  
-20 °C**Background Descriptions****Precautions**

Anti-C-Peptide Antibody (3E8D9) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-C-Peptide Antibody (3E8D9) - Protein Information****Name** INS**Function**

Insulin decreases blood glucose concentration. It increases cell permeability to monosaccharides, amino acids and fatty acids. It accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver.

**Cellular Location**

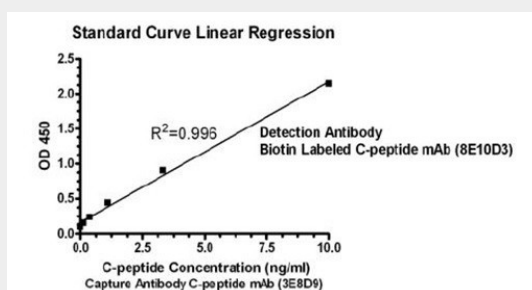
Secreted.

## Anti-C-Peptide Antibody (3E8D9) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-C-Peptide Antibody (3E8D9) - Images



Antibody pairs analysis of C-peptide monoclonal antibodies by Sandwich ELISA

## Anti-C-Peptide Antibody (3E8D9) - Background

C-peptide serves as an important linker between A-chain and B-chain of insulin and facilitates the efficient assembly, folding, and processing of insulin in the endoplasmic reticulum. Equimolar amounts of C-peptide and insulin are stored in secretory granules of the pancreatic beta cells and both are eventually released to the portal circulation. The sole interest in C-peptide was as a marker of insulin secretion. Newly diagnosed diabetes patients often get their C-peptide levels measured as a means of distinguishing type 1 and type 2 diabetes. C-peptide is also used for determining the possibility of gastrinomas associated with Multiple Endocrine Neoplasm syndromes (MEN 1).

C-Peptide Antibody is produced from the hybridoma resulting from fusion of SP2/0-Ag14 myeloma and B-lymphocytes obtained from mouse immunized with human C-peptide conjugated to KLH.