

## Human C-Peptide Antibody, mAb, Mouse

**Host:** Mouse**Immunogen:** human

C-peptide conjugated to KLH.

**Purification:** Protein A affinity column**Version:** 12/26/2011

### Products information

Cat.No	Clone	Ig Subclass
A01785	3E8D9	IgG1, $\kappa$
A01727	8E10D3	IgG2b, $\kappa$
A01784	4C2F10	IgG1, $\kappa$
A01726	8G1D12	IgG2b, $\kappa$

### Description

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).

**GenScript Human C-Peptide Antibody, mAb, Mouse** 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.

### Species Reactivity

C-peptide monoclonal antibodies (Clone 3E8D9, 8E10D3, 4C2F10 and 8G1D12) recognize human C-peptide and don't cross-react with proinsulin and insulin.

### Sensitivity

Less than 0.1 ng/ml by sandwich ELISA

### Product Buffer

PBS, pH 7.4, containing 0.02% sodium azide.

### Storage

**GenScript C-Peptide Antibody, mAb, Mouse** should be stored at -20°C or below until use. Avoid repeated freezing and thawing cycles.

### Applications

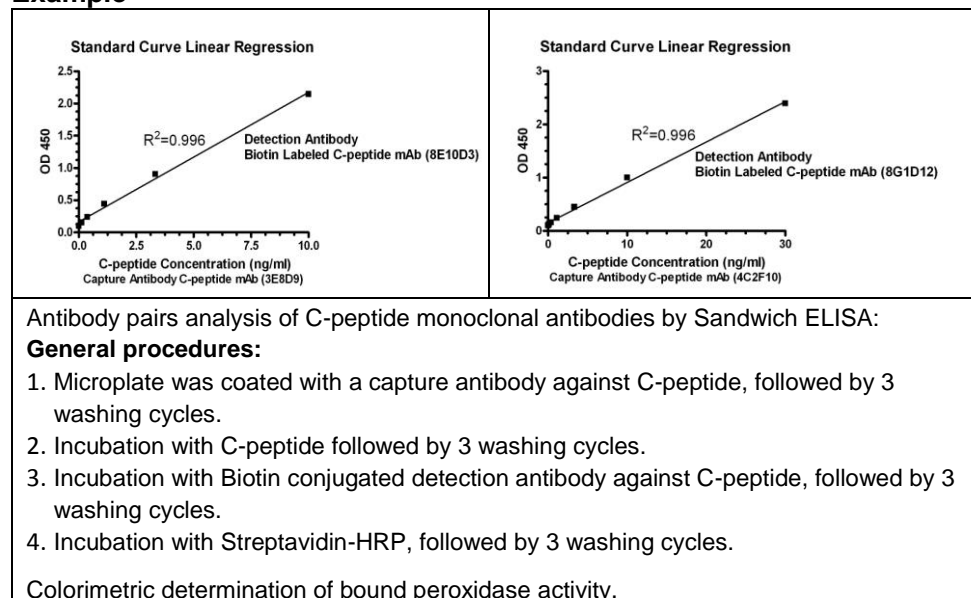
These antibodies are perfect choice for *in vitro* diagnostic assay development. The recommended pairs (3E8D9-8E10D3 and 4C2F10-8G1D12) are based on our laboratory results.

\*\* For non-clinical research use only. \*\*

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## Example



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