

**INS Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7277b****Specification****INS Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P01308](#)**INS Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 3630**Other Names**

Insulin, Insulin B chain, Insulin A chain, INS

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7277b](#) was selected from the C-term region of human INS. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**INS Antibody (C-term) Blocking Peptide - Protein Information****Name** INS**Function**

Insulin decreases blood glucose

**INS Antibody (C-term) Blocking Peptide - Background**

After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into two chains (peptide A and peptide B) that are covalently linked via two disulfide bonds. Binding of this mature form of insulin to the insulin receptor (INSR) stimulates glucose uptake.

**INS Antibody (C-term) Blocking Peptide - References**

Nordquist,L., Diabetes Metab. Res. Rev. 24 (2), 165-168 (2008)  
Nordquist,L., (er) Am. J. Physiol. Regul. Integr. Comp. Physiol. (2007) In press  
Naya,T., Angiology 58 (6), 677-684 (2007)

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.

**INS Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)