

**THEMIS Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11184b****Specification**

---

**THEMIS Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q8N1K5](#)**THEMIS Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 387357**Other Names**

Protein THEMIS, Thymocyte-expressed molecule involved in selection, THEMIS, C6orf190, C6orf207

**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.

**THEMIS Antibody (C-term) Blocking peptide - Protein Information****Name** THEMIS**Synonyms** C6orf190, C6orf207**Function**

Plays a central role in late thymocyte development by controlling both positive and negative T-cell selection. Required to sustain and/or integrate signals required for proper lineage commitment and maturation of T-cells. Regulates T-cell development through T-cell antigen receptor (TCR) signaling and in particular through the regulation of calcium influx and phosphorylation of Erk.

**Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:Q8BGW0}. Nucleus {ECO:0000250|UniProtKB:Q8BGW0}

**THEMIS Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**THEMIS Antibody (C-term) Blocking peptide - Images**

**THEMIS Antibody (C-term) Blocking peptide - Background**

This gene encodes a protein that plays a regulatory role in both positive and negative T-cell selection during late thymocyte development. The protein functions through T-cell antigen receptor signaling, and is necessary for proper lineage commitment and maturation of T-cells. Alternative splicing results in multiple transcript variants.

**THEMIS Antibody (C-term) Blocking peptide - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
Dubois, P.C., et al. Nat. Genet. 42(4):295-302(2010)  
Bhatti, P., et al. Radiat. Res. 173(2):214-224(2010)  
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)  
Patrick, M.S., et al. Proc. Natl. Acad. Sci. U.S.A. 106(38):16345-16350(2009)