

PTCRA Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18980b

Specification

PTCRA Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q6ISU1](#)

PTCRA Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 171558

Other Names

Pre T-cell antigen receptor alpha, pT-alpha, pTa, pT-alpha-TCR, PTCRA

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.

PTCRA Antibody (C-term) Blocking Peptide - Protein Information

Name PTCRA

Function

The pre-T-cell receptor complex (composed of PTCRA, TCRB and the CD3 complex) regulates early T-cell development.

Cellular Location

Membrane; Single-pass type I membrane protein

Tissue Location

Expressed in immature but not mature T-cells. Also found in CD34+ cells from peripheral blood, CD34+ precursors from umbilical cord blood and adult bone marrow

PTCRA Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PTCRA Antibody (C-term) Blocking Peptide - Images

PTCRA Antibody (C-term) Blocking Peptide - Background

In immature T cells the T-cell receptor beta-chain gene(TCRB; MIM 186930) is rearranged and expressed before the TCRA (MIM186880) chain. At this early stage, TCRB can associate with the pre-T-cell receptor alpha chain (PTCRA). The PTCRA, together with TCRB and the CD3 complex (see MIM 186740), minimally make up the pre-T cell receptor (pre-TCR), which regulates early T cell development.

PTCRA Antibody (C-term) Blocking Peptide - References

Velez, D.R., et al. Am. J. Obstet. Gynecol. 200 (2), 209 (2009) :Menon, R., et al. Reprod. Biol. Endocrinol. 7, 62 (2009) :Velez, D.R., et al. PLoS ONE 3 (9), E3283 (2008) :Navarro, M.N., et al. Blood 110(13):4331-4340(2007)Bas, A., et al. J. Immunol. 171(7):3359-3371(2003)