

RAET1E Antibody(Center) Blocking peptide
Synthetic peptide
Catalog # BP19552c**Specification**

RAET1E Antibody(Center) Blocking peptide - Product InformationPrimary Accession [Q8TD07](#)**RAET1E Antibody(Center) Blocking peptide - Additional Information****Gene ID** 135250**Other Names**

NKG2D ligand 4, N2DL-4, NKG2DL4, Lymphocyte effector toxicity activation ligand, RAE-1-like transcript 4, RL-4, Retinoic acid early transcript 1E, RAET1E, LETAL, N2DL4, ULBP4

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.

RAET1E Antibody(Center) Blocking peptide - Protein Information**Name** RAET1E {ECO:0000303|PubMed:11827464, ECO:0000312|HGNC:HGNC:16793}**Function**

Binds and activates the KLRK1/NKG2D receptor, mediating natural killer cell cytotoxicity.

Cellular Location

Membrane; Single-pass type I membrane protein

Tissue Location

Predominantly expressed in the skin, but also expressed in testis and trachea. Up-regulated in tumor cells of different origins. Expression progressively decreased after treatment of tumor cells with retinoic acid.

RAET1E Antibody(Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

RAET1E Antibody(Center) Blocking peptide - Images**RAET1E Antibody(Center) Blocking peptide - Background**

Members of the RAET1 family, such as RAET1E, are major histocompatibility complex (MHC) class I-related genes located within a 180-kb cluster on chromosome 6q24.2-q25.3. RAET1 proteins contain MHC class I-like alpha-1 and alpha-2 domains. RAET1E and RAET1G (MIM 609244) differ from the other RAET1 proteins (e.g., RAET1I, or ULBP1; MIM 605697) in that they have type I membrane-spanning sequences at their C termini rather than glycosylphosphatidylinositol anchor sequences. RAET1E is a ligand for NKG2D (KLRK1; MIM 611817), which is expressed on the surface of several types of immune cells and is involved in innate and adaptive immune responses (summary by Radosavljevic et al. (2002) [PubMed 11827464] and Cao et al. (2007) [PubMed 17470428]).

RAET1E Antibody(Center) Blocking peptide - References

McGilvray, R.W., et al. Int. J. Cancer 127(6):1412-1420(2010) Antoun, A., et al. Hum. Immunol. 71(6):610-620(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Romphruk, A.V., et al. Immunogenetics 61(9):611-617(2009) Kong, Y., et al. Blood 114(2):310-317(2009)