

Anti-RAET1E [RAET1E 119/6]

Catalogue number: 151542

Sub-type: Primary antibody

Images:

Contributor

Inventor:

Institute: University of Cambridge

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-RAET1E [RAET1E 119/6]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: RAET1E (retinoic acid early transcript 1E), or ULBP4, is a member of the RAET1 family of major histocompatibility complex (MHC) class I-related genes. RAET1E and RAET1G differ from the other RAET1 proteins by having a type I membrane-spanning sequence at their C termini rather than glycosylphosphatidylinositol anchor sequences. RAET1E is a functional ligand for NKG2D, which causes lymphocyte activation resulting in the secretion of cytokines.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1 kappa

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Recombinant His-tagged protein to human extra-cellular domain of RAET1E produced in E.coli (33-227) with a N terminal 6x His tag.

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Stable RAET1E cell line

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: RAET1E

Target alternate names:

Target background: RAET1E (retinoic acid early transcript 1E), or ULBP4, is a member of the RAET1 family of major histocompatibility complex (MHC) class I-related genes. RAET1E and RAET1G differ from the other RAET1 proteins by having a type I membrane-spanning sequence at their C termini rather than glycosylphosphatidylinositol anchor sequences. RAET1E is a Fn ligand for NKG2D, which causes lymphocyte activation resulting in the secretion of cytokines.

Molecular weight:

Ic50:

Applications

Application: ELISA ; FACS ; IF ; IP ; Fn ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Cao et al. 2007. J Biol Chem. 282(26):18922-8. PMID: 17470428. ; RAET1E2, a soluble isoform of the UL16-binding protein RAET1E produced by tumor cells, inhibits NKG2D-mediated NK cytotoxicity. ; Bacon et al. 2004. J Immunol. 173(2):1078-84. PMID: 15240696. ; Two human ULBP/RAET1 molecules with transmembrane regions are ligands for NKG2D. ; Chalupny et al. 2003. Biochem Biophys Res Commun. 305(1):129-35. PMID: 12732206. ; ULBP4 is a novel ligand for human NKG2D.

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