

Anti-Leu2 [X107]

Catalogue number: 151346

Sub-type:

Images:

Contributor

Inventor: Karen Pulford

Institute: University of Oxford

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Leu2 [X107]

Alternate name: CD8a Molecule; T-Lymphocyte Differentiation Antigen T8/Leu-2; CD8 Antigen; Alpha Polypeptide (P32); MAL; T-Cell Surface Glycoprotein CD8 Alpha Chain; Leu2 T-Lymphocyte Antigen; OKT8 T-Cell Antigen; T-Cell Antigen Leu2; T8 T-Cell Antigen; CD8a Antigen; Leu2; P32

Class: Monoclonal

Conjugate: Unconjugated

Description: Leu-2 (CD8) is a T cell co-receptor that recognises, together with the T cell receptor, MHC class I molecules. Leu-2 is present on human suppressor / cytotoxic T cells which make up 30% of circulating T cells. X107 may be used to detect these cells in tissue sections and also their neoplastic counterparts.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: Not Known

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Synthetic peptide (the 13 c-terminal residues of the cytoplasmic domain of human CD8a)

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Leu2 (CD8)

Target alternate names:

Target background: Leu-2 (CD8) is a T cell co-receptor that recognises, together with the T cell receptor, MHC class I molecules. Leu-2 is present on human suppressor / cytotoxic T cells which make up 30% of circulating T cells. X107 may be used to detect these cells in tissue sections and also their neoplastic counterparts.

Molecular weight:

Ic50:

Applications

Application: FACS ; IHC

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: RPMI 1640 + 10% FCS + penicillin (100U/ml) + streptomycin (100mg/l) + glutamine (2mM) + HAT

Storage conditions: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: van Gool et al. 2015. Clin Cancer Res. 21(14):3347-55. PMID: 25878334. ; POLE Proofreading Mutations Elicit an Antitumor Immune Response in Endometrial Cancer. ; Harlin et al. 2009. Cancer Res. 69(7):3077-85. PMID: 19293190. ; Chemokine expression in melanoma metastases associated with CD8+ T-cell recruitment. ; Sato et al. 2005. Proc Natl Acad Sci U S A. 102(51):18538-43. PMID: 16344461. ; Intraepithelial CD8+ tumor-infiltrating lymphocytes and a high CD8+/regulatory T cell ratio are associated with favorable prognosis in ovarian cancer. ; Mason et al. 1992. J Clin Pathol. 45(12):1084-8. PMID: 1479035. ; Immunohistological detection of human cytotoxic/suppressor T cells using antibodies to a CD8 peptide sequence.

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