Anti-CD19 [PDR134]

Catalogue number: 151352
Sub-type: Primary antibody
Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-CD19 [PDR134]

Alternate name: CD19 Molecule; B-Lymphocyte Surface Antigen B4; T-Cell Surface Antigen Leu-12; Differentiation Antigen CD19; CD19 Antigen; CVID3; B4

Class: Monoclonal
Conjugate: Unconjugated
Description: CD19 is a member of the immunoglobulin superfamily and has two Ig like domains. It is a single chain glycoprotein, present on the surface of normal and neoplastic B-cells. CD19 is expressed at an early stage by progenitor B-cells in bone marrow and during all stages of B-cell maturation. This antigen is lost upon terminal differentiation to plasma cells. CD19 is important for detecting both normal and neoplastic B-cells. CD19 is present on neoplasms arising from early B-cells (e.g. acute leukemia of pre-B-cells) and more differentiated B-cell neoplasms (e.g. chronic lymphocytic leukemia and non-HodgkinÄ?Ë???Â???Â?s lymphoma). Leukemia phenotype studies have demonstrated that the earliest and broadest B cell restricted antigen is the CD19 antigen. The CD19 cytoplasmic domain binds tyrosine kinases and PI-3 kinase.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgM
Reactivity: Human
Selectivity:
Host: Mouse
Immunogen: Pokeweek-stimulated Daudi and Raji cells
Immunogen UNIPROT ID:

Sequence:
Growth properties:
Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: CD19

Target alternate names:

Target background: CD19 is a member of the immunoglobulin superfamily and has two Ig like domains. It is a single chain glycoprotein, present on the surface of normal and neoplastic B-cells. CD19 is expressed at an early stage by progenitor B-cells in bone marrow and during all stages of B-cell maturation. This antigen is lost upon terminal differentiation to plasma cells. CD19 is important for detecting both normal and neoplastic B-cells. CD19 is present on neoplasms arising from early B-cells (e.g. acute leukemia of pre-B-cells) and more differentiated B-cell neoplasms (e.g. chronic lymphocytic leukemia and non-Hodgkin's lymphoma). Leukemia phenotype studies have demonstrated that the earliest and broadest B cell restricted antigen is the CD19 antigen. The CD19 cytoplasmic domain binds tyrosine kinases and PI-3 kinase.

Molecular weight:

Ic50:

Applications

Application: FACS ; IHC ; IF ; IP ; 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: Schmidt RE (1993) CD16 cluster workshop report. In Schlossman SF, et al (eds) Leucocyte Typing V, Vol 1, Oxford University Press, Oxford, New York and Tokyo, p 805-806