

CD 7 (Clone MRQ-12)

Specification:

CD7 antigen is a cell surface glycoprotein of 40 kD expressed on the surface of immature and mature T cells, and natural killer cells. It is the member of immunoglobulin gene superfamily and is the first T cell lineage associated antigen to appear in T cell ontogeny, being expressed in pre-thymic T cell precursors (preceding CD2 expression), and in precursors in fetal liver and bone marrow, and persisting in circulating T cells. While its precise function is not known, there is recent suggestion that the molecule functions as an Fc receptor for IgM. CD7 is the most consistently expressed T cell antigen in lymphoblastic lymphomas and leukaemia's, and is therefore a useful marker in identification of such neoplastic proliferations. In mature post-thymic T cell neoplasm's, it is the most common pan-T antigen to be aberrantly absent and its absence in a T cell population is a useful pointer to a neoplastic conversion. CD7 is immuno-expressed on 85% of mature peripheral T cells, the majority of post-thymic T cells, NK cells, some myeloid cells, T cell acute lymphoblastic leukaemia/lymphoma, acute myelogenous leukaemia and chronic myelogenous leukaemia. Interestingly, CD7 is conspicuously absent in adult T cell leukaemia/lymphoma and is not expressed in Sezary cells.

Availability:

Catalog No.	Contents	Volume
ILM 9873 C1	CD 7	1,0 ml
ILM 9873 C05	CD 7	0,5 ml

Intended use: For research use only

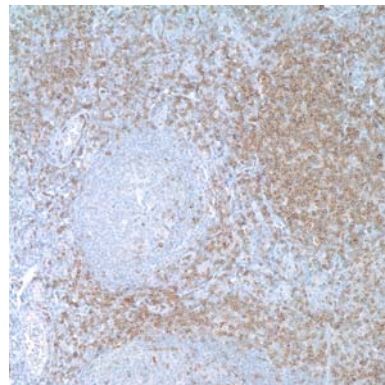
Clone: MRQ-12

Species of origin: Mouse

Isotype: IgG2b

Controle Tissue: Tonsil, Lymph Node

Staining: Membranous



Presentation:

Anti-CD7 is a mouse monoclonal antibody from tissue culture supernatant diluted in phosphate buffered saline, pH7.4, with protein base, and preserved with sodium azide.

Application and suggested dilutions:

Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer , pH6.0, or in 50 mM Tris buffer pH9.5, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of cryostat tissue sections (dilution up to 1:5-1:50)
- Immunohistochemical staining of formaline-fixed, paraffin embedded tissue section (dilution up to 1:5-1:50)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilute the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody based detection is recommended

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.