



Mouse anti CD7 Monoclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** CD7
- **Catalogue:** 605-460
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** H1T7
- **Application:** IHC(P), FC
- **Reactivity:** Hu

ANTIGEN PREPARATION

A recombinant protein of human CD7

BACKGROUND

CD7, a 40 kD type I transmembrane glycoprotein, is a member of the immunoglobulin superfamily. This protein is found on thymocytes and mature T cells, NK cells, hematopoietic progenitors, on acute lymphocytic leukemia (ALL). Expression levels of this cell surface glycoprotein and the serine protease, elastase 2 (ELA2), in the leukemic cells of patients with chronic myeloid leukemia (CML) have been associated with clinical outcome. According to some authors, CD7 is a negative prognostic marker in myeloid malignancies. It plays an essential role in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development. CD7 molecule has also been shown to have costimulatory activity and to induce tyrosine and lipid kinase activities.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human CD7 protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 $\mu\text{g}/\text{ml}$
- ELISA: 0.01-0.1 $\mu\text{g}/\text{ml}$
- Immunoprecipitation: 2-5 $\mu\text{g}/\text{ml}$
- IHC: 2-10 $\mu\text{g}/\text{ml}$
- Flow cytometry: 0.5-5 $\mu\text{g}/10^6$ cells
- Molecular Weight: 40.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

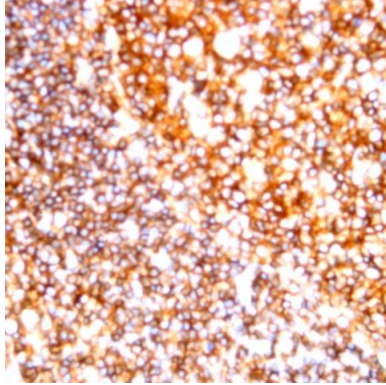
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human Tonsil (FFPE) stained with Mouse anti-CD7 (Cat# 605-460) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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