

## anti-human CD7

The LT7 antibody reacts with CD7, a 40 kD type I transmembrane glycoprotein expressed on peripheral blood T lymphocytes, NK-cells, hematopoietic progenitors, monocytes (weakly) and also on acute lymphocytic leukaemia.

CD7 is expressed by the majority of thymocytes and mature T cells, NK cells and pre-B cells. It plays an essential role in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development.

The function of CD7 is not yet known although cross-linking of CD7 with antibodies induces a T cell transmembrane calcium flux and CD7 expression is induced by ionomycin. The CD7 molecule has been reported to be the receptor of the IgM-Fc portion (FcR mu) on the surface of T cells.

<b>Clone:</b>	LT7
<b>Isotype:</b>	Mouse IgG2a
<b>Physical state:</b>	Purified from ascites by DEAE chromatography
<b>Purity:</b>	> 95% (by SDS-PAGE)
<b>Buffer:</b>	PBS with 15 mM sodium azide (pH 7.4)
<b>Storage Instruction:</b>	Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.
<b>Application:</b>	Flow Cytometry, Immunoprecipitation
<b>Reference:</b>	Leukocyte Typing VI. Kishimoto T. et al. (Eds.), Garland Publishing Inc. (1997).
<b>Quantity:</b>	0.1 mg
<b>Order N°:</b>	H12398

**Warning:** Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32).

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