

**anti-human CD8 purified****Cat-No.: H12399****0.1 mg****Clone:** LT-8**Specificity:**

Mouse monoclonal [LT8] to CD8

Reacts with CD8 antigen (MW 32 kDa). LT8 completely cross blocks binding of mabs Leu 2a and OKT8. CD8 present on 23 + 4% of normal peripheral blood lymphocytes and 80% of thymocytes. This antigen is found on T suppressor/cytotoxic T cells.

**Immunogen:** normal human blood lymphocytes**Isotype subclass:** Mouse IgG1**Form:** Purified by DEAE chromatography.**Purity:** IgG Fraction**Physical state:** Liquid**Buffer/Additives/Preservative:** 20 mM Tris-HCl, pH 7,4 with 0.1% sodium azide**Expiration date:** The reagent is stable until the expiry date stated on the vial label.**Storage conditions:** Store at 4°C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.**Application:** Flow Cytometry  
Immunoprecipitation  
Immunohistochemistry (frozen sections)**Background:**

The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell to cell interactions within the immune system. The CD8 antigen, acting as a coreceptor, and the T cell receptor on the T lymphocyte recognize antigen displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains.

**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). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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