

## CD 8 clone C8/144B

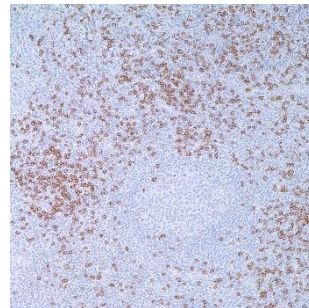
### Instructions for Use

#### Specification:

CD8 is a cell surface receptor expressed either as a heterodimer with the CD8 beta chain (CD8 alpha/beta) or as a homodimer (CD8 alpha/alpha). A majority of thymocytes and a subpopulation of mature T cells and NK cells express CD8a. CD8 binds to MHC class 1 and through its association with protein tyrosine kinase p56lck plays a role in T cell development and activation of mature T cells. For mature T-cells, CD4 and CD8 are mutually exclusive, so anti-CD8, generally used in conjunction with anti-CD4. It is a useful marker for distinguishing helper/inducer T-lymphocytes, and most peripheral T-cell lymphomas are CD4+/CD8-. Anaplastic large cell lymphoma is usually CD4+ and CD8-, and in T-lymphoblastic lymphoma/leukemia, CD4 and CD8 are often co-expressed. CD8 is also found in littoral cell angioma of the spleen.

#### Availability:

Catalog no.	Contents	Volume
ILM1083-C01	CD 8	0,1 ml concentrate
ILM1083-C05	CD 8	0,5 ml concentrate
ILM1083-C1	CD 8	1,0 ml concentrate



**Intended use:** For Research Use Only

**Reactivity:** Human

**Clone:** C8/144B

**Species of origin:** Mouse

**Isotype:** IgG1/K

**Control Tissue:** Lymph node, tonsil

**Staining:** Membranous

**Immunogen:** A 13 amino acid synthetic peptide from the C-terminal cytoplasmic domain of alpha chain of human CD8 molecule

**Presentation:** Bioreactor Concentrate with 0.05% 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 1:100-1:200)
- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:100-1:200)

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

**Note:** Dilution of 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.

#### References:

- 1) Rossi, ML, Sanchez, FC, et al., J Clin Path 1988;41:314-319
- 2) Stein, H, Lennart, K, et al., Adv Cancer Res 1984;42:67-147
- 3) Phan-Dinh-Tuy, F, Niaudet, P, et al., Mol Immun 1982;19:1649-1654
- 4) Mason DY et al. J Clin Pathol. 1992;45:1084-8
- 5) Nuchols JD et al. J Cutan Pathol 1999;26:169-75