**Mouse Anti-CD8 [C8/468+144B]: MC0706, MC0706RTU7**

**Intended Use:** For Research Use Only

**Description:** The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that serves as a coreceptor for TCR recognition of MHC class I associated peptides and supports CTL activation by binding to the MHC, while making no direct contact with the peptide.CD8 is expressed on cytotoxic suppressor T cells. It is expressed as a disulphide-linked α/β heterdimer or as an α/α homodimer on T cell subset, thymocytes and NK cells. In normal human tonsil, large numbers of CD8+ lymphocytes were present within the paracortex; occasionally positive cells were also identified within germinal centers and within the investing squamous epithelium. In other tissues, only lymphoid cells and cells of histiocyte lineage showed positive staining for CD8. CD8 alpha chains bind to class I MHC molecules alpha-3 domains. Defects in CD8A are a cause of familial CD8 deficiency (CD8 deficiency). Familial CD8 deficiency is a novel autosomal recessive immunologic defect characterized by absence of CD8+ cells, leading to recurrent bacterial infections.

# Specifications:

Clone: C8/468+144B

Source: Mouse

Isotype: IgG1k

Reactivity: Human

Immunogen: Human CD8 recombinant protein (C8/468); A 13 amino acid synthetic peptide from the C-

 terminal cytoplasmic domain of human CD8α molecule (C8/144B)

Localization: Membrane

Formulation: Antibody in PBS pH7.4, containing BSA, and ≤ 0.09% sodium azide (NaN3)

Storage: Storage: Store at 2°- 8°C

Applications: IHC, Flow Cyt., ICC/IF

Package:

|  |  |  |
| --- | --- | --- |
| **Description** | **Catalog No.** | **Size** |
| CD8 Concentrated | MC0706 | 1 ml |
| CD8 Prediluted | MC0706RTU7 | 7 ml |

# IHC Procedure\*:

Positive Control Tissue: Tonsil

Concentrated Dilution: 50-200

Pretreatment: Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C

Incubation Time and Temp: 30-60 minutes @ RT

Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-CD8 using DAB

**References:**

1. OX40+ Regulatory T Cells in Cutaneous Squamous Cell Carcinoma Suppress Effector T-Cell Responses and Associate with Metastatic Potential. Lai C, et al. Clin Cancer Res 22:4236-48, 2016.
2. Immunological subtypes in breast cancer are prognostic for invasive ductal but not for invasive lobular breast carcinoma. Br Engels CC, et al. J Cancer N/A:N/A, 2014.

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Rev. B