

IHCAb™ CD8 a mouse mAb (BGT155)

Cat #: B-IMW6846

Size: 100 µL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

Background

The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain. Multiple transcript variants encoding different isoforms have been found for this gene.

Product Information

Applications/Dilution: IHC-p 1:100-500, WB 1:200-1000, IF 1:100-500

Isotype/Source: Mouse, Monoclonal/IgG2a, Kappa

Specificity: The antibody can specifically recognize human CD8 protein, including two types of dimer: $\alpha\beta$ heterodimer or $\alpha\alpha$ homodimer.

Subcellular Location: [Isoform 1]: Cell membrane ; Single-pass type I membrane protein. CD8A localizes to lipid rafts only when associated with its partner CD8B. .; [Isoform 2]: Secreted .

Expression: CD8 on thymus-derived T-cells usually consists of a disulfide-linked alpha/CD8A and a beta/CD8B chain. Less frequently, CD8 can be expressed as a CD8A homodimer. A subset of natural killer cells, memory T-cells, intraepithelial lymphocytes, monocytes and dendritic cells expresses CD8A homodimers. Expressed at the cell surface of plasmacytoid dendritic cells upon herpes simplex virus-1 stimulation

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.28% sodium azide

Storage: Store at -15°C to -25°C

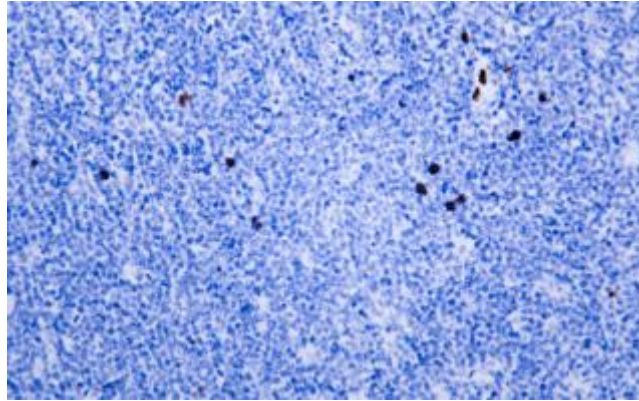


Fig.1. Human burkitt lymphoma tissue was stained with Anti-CD8 Antibody

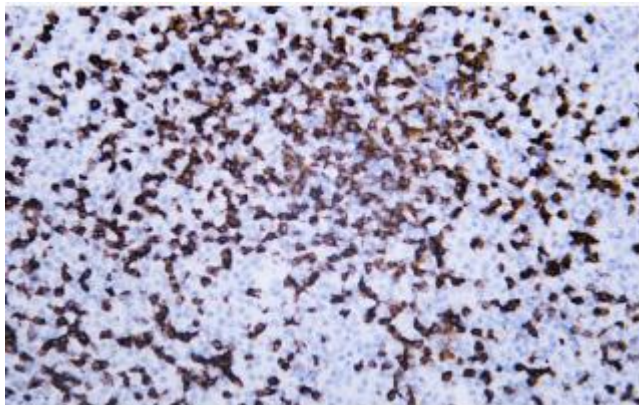


Fig.2. Human lymphoma tissue was stained with Anti-CD8 Antibody

Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.