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Rev.: 2018/12/5

CD8
Recombinant Rabbit Monoclonal Antibody
Product Datasheet

Catalog# BX50036
Clone# BP6041

Predicted Molecular Wt: 26kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P01732

Background:

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 heterodimer of CD8α and CD8β. CD8 is expressed on approximately one-third of peripheral blood T cells (the CD4-negative cells). CD8 has also been detected at a low level on some natural killer (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.

Subcellular location:

Membrane

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide corresponding to CD8α residues within aa135-235 of CD8α was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

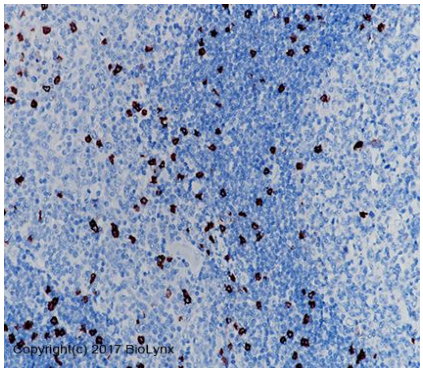
-20°C

Storage instructions:

Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of tonsil tissue labelling CD8 with BP6041. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Background References:

1. Williamson SL, et.al, Am J Pathol. 1998 Jun;152(6):1421-6.
2. de la Calle-Martin O, et.al, J Clin Invest. 2001 Jul;108(1):117-23.

Product QC'd by:

For research use only. Not for use in diagnostic or therapeutic applications.