

For Research Use Only

CD8b Monoclonal antibody

Catalog Number: 68432-1-Ig



Basic Information

Catalog Number: 68432-1-Ig	GenBank Accession Number: BC100913	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 926	CloneNo.: 4B3B8
Source: Mouse	UNIPROT ID: P10966	Recommended Dilutions: IHC 1:1000-1:4000
Isotype: IgG1	Full Name: CD8b molecule	
Immunogen Catalog Number: AG16925	Calculated MW: 243 aa, 27 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human breast cancer tissue,
Species Specificity: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

CD8b (T-cell surface glycoprotein CD8 beta chain) is an integral membrane glycoprotein that forms disulfide-linked heterodimers with CD8a (CD8 alpha chain). The CD8 alpha/beta heterodimer is the predominant CD8 complex expressed on the cell surface (PMID: 1534146; 2111591). CD8 is a transmembrane glycoprotein predominantly expressed on cytotoxic T cells and can also be found on natural killer cells, cortical thymocytes, and dendritic cells. CD8 serves as a co-receptor for the T cell receptor (TCR). Both CD8 and TCR recognize antigens displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. CD8 plays a role in T cell development and activation of mature T cells.

Storage

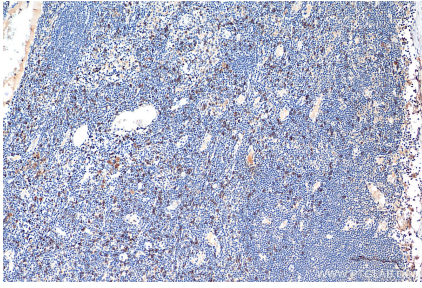
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

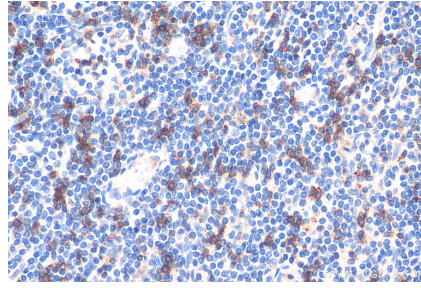
For technical support and original validation data for this product please contact:
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 68432-1-Ig (CD8b antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 68432-1-Ig (CD8b antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).