

For Research Use Only

CBFB Monoclonal antibody

Catalog Number: 67885-1-Ig



Basic Information

Catalog Number: 67885-1-Ig	GenBank Accession Number: BC018509	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 865	CloneNo.: 1D7F2
Source: Mouse	UNIPROT ID: Q13951	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Full Name: core-binding factor, beta subunit	
Immunogen Catalog Number: AG31183	Calculated MW: 182 aa, 22 kDa	

Applications

Tested Applications: FC, WB, ELISA	Positive Controls:
Species Specificity: Human, Rat	WB: Jurkat cells, HEK-293 cells, MOLT-4 cells, K-562 cells, HSC-T6 cells

Background Information

CBFB (core binding factor subunit β), forms the heterodimeric complex core-binding factor (CBF). As a critical transcription factor, CBFB is frequently mutated in breast cancer and considered to be of significance in the pathogenesis of cancer. (PMID: 29932212) The heterodimers bind to the core site of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, LCK, IL3 and GM-CSF promoters.) It has calculated molecular weight around 22kDa.

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

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

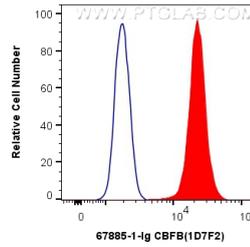
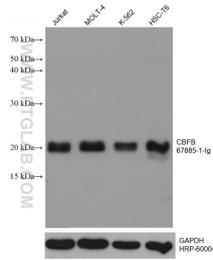
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67885-1-Ig (CBFB antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.

1×10^6 K-562 cells were intracellularly stained with 0.5 μ g Anti-Human CFBF (67885-1-Ig, Clone:1D7F2) (red) labeled with FlexAble CoraLite[®] Plus 555 Antibody Labeling Kit for Mouse IgG1 (KFA022), or 0.5 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).