

For Research Use Only

CBBF Monoclonal antibody

Catalog Number: 67885-1-Ig



Basic Information

Catalog Number: 67885-1-Ig	GenBank Accession Number: BC018509	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 865	CloneNo.: 1D7F2
Source: Mouse	Full Name: core-binding factor, beta subunit	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Calculated MW: 182 aa, 22 kDa	
Immunogen Catalog Number: AG31183		

Applications

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

Background Information

CBBF (core binding factor subunit β), forms the heterodimeric complex core-binding factor (CBF). As a critical transcription factor, CBBF 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

*** 20ul sizes contain 0.1% BSA

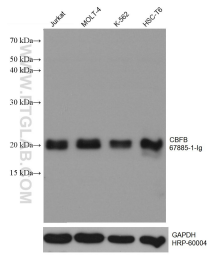
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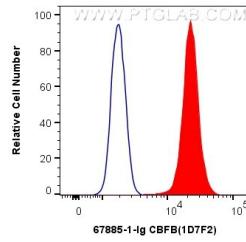
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67885-1-Ig (CBFβ 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.



1X10⁶ K-562 cells were intracellularly stained with 0.5 ug Anti-Human CBFβ (67885-1-Ig, Clone:1D7F2) (red) labeled with FlexAble CoraLite® Plus 555 Antibody Labeling Kit for Mouse IgG1 (KFA022), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).