

For Research Use Only

CoraLite®555-conjugated Beta-2-Microglobulin Polyclonal antibody



Catalog Number:CL555-13511

Basic Information

Catalog Number: CL555-13511	GenBank Accession Number: BC032589	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 567	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: beta-2-microglobulin	Excitation/Emission maxima wavelengths: 557 nm / 570 nm
Isotype: IgG	Calculated MW: 119 aa, 14 kDa	
Immunogen Catalog Number: AG4433	Observed MW: 12-14 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : A431 cells,
Species Specificity: human, mouse, rat	

Background Information

Beta-2-microglobulin (B2M) is a component of MHC class I molecules, which are present on the surface of nearly all nucleated cells. It can be found in body fluids under physiologic conditions as a result of shedding from cell surfaces or intracellular release. B2M has various biological functions, including antigen presentation. Investigations reveal that increased synthesis and release of B2M are present in several malignant diseases.

Storage

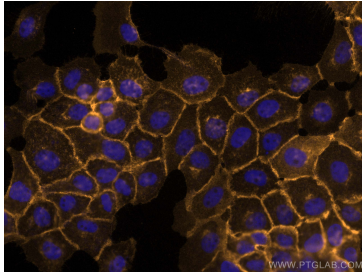
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

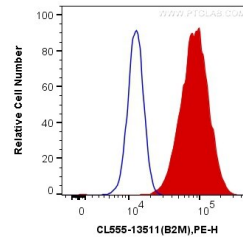
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CoraLite®555 Beta-2-Microglobulin antibody (CL555-13511) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite®555 Anti-Human Beta-2-Microglobulin (CL555-13511) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).