

For Research Use Only

CoraLite® Plus 488-conjugated HSPB11 Monoclonal antibody



Catalog Number: CL488-68059

Basic Information

Catalog Number: CL488-68059	GenBank Accession Number: BC005245	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 51668	CloneNo.: 2D11B3
Source: Mouse	UNIPROT ID: Q9Y547	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2a	Full Name: heat shock protein family B (small), member 11	
Immunogen Catalog Number: AG8804	Calculated MW: 144 aa, 16 kDa	
	Observed MW: 20 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human

Background Information

HSPB11 (Heat shock protein beta-11), also known as IFT25, was originally identified as a small heat shock protein. Recently it has been identified as a component of IFT complex B. It has been demonstrated that IFT25 is not required for ciliary assembly but is required for proper Hedgehog signaling, which in mammals occurs within cilia. Cilia lacking IFT25 have defects in the signal-dependent transport of multiple Hedgehog components and fail to activate the pathway upon stimulation.

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

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

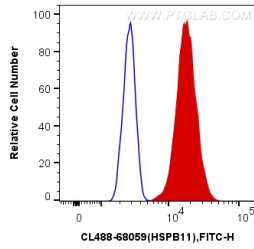
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human HSPB11 (CL488-68059, Clone:2D11B3) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL488-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).