

CoraLite® Plus 488-conjugated Importin Alpha 5 Monoclonal antibody

Catalog Number: **CL488-67897**

Basic Information

Catalog Number: CL488-67897	GenBank Accession Number: BC002374	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 3836	CloneNo.: 2A7G7
Source: Mouse	UNIPROT ID: P52294	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2a	Full Name: karyopherin alpha 1 (importin alpha 5)	
Immunogen Catalog Number: AG12751	Calculated MW: 60 kDa	
	Observed MW: 60-62 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, mouse, rat

Background Information

Importins (alpha and beta) are transport factors that transport proteins into the nucleus. alpha importins function by binding transcription factors at nuclear localization sequences (NLS), and associating with importin beta subunits to translocate through the nuclear pore. Six isoforms of alpha importins have been described in human. Importin alpha 5 is the predominant importin in adult CNS and is essential for differentiation and viability of neural cells.

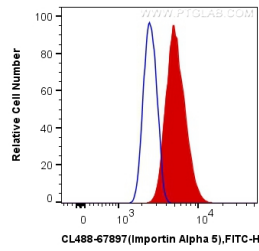
Storage

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

Selected Validation Data



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human Importin Alpha 5 (CL488-67897, Clone:2A7G7) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL488-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).