

For Research Use Only

CoraLite® Plus 488-conjugated HERC5 Recombinant monoclonal antibody

Catalog Number: CL488-87166



Basic Information

Catalog Number: CL488-87166	GenBank Accession Number: BC140716	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 51191	CloneNo.: 252294E6
Source: Rabbit	UNIPROT ID: Q9UII4	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: hect domain and RLD 5	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG33511	Calculated MW: 1024 aa, 117 kDa	
	Observed MW: 117 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HEK-293 cells,
Species Specificity: human	

Background Information

HERC5 (HECT and RLD domain-containing E3 ubiquitin ligase 5) is constitutively expressed at low or undetectable levels in most normal adult tissues and in a subset of cancer cell lines. It is an evolutionarily ancient restriction factor that inhibits the replication of diverse viruses. By virtue of its C-terminal HECT domain, HERC5 is the main cellular E3 ligase for conjugating ISG15 to substrates and localizes to polyribosomes to modify newly translated viral proteins, thereby disrupting key aspects of viral particle production. E3 ligase-independent antiviral activity has also been demonstrated towards HIV-1, where it inhibits the nuclear export of incompletely-spliced viral RNAs by a mechanism requiring its N-terminal RCC1-like domain (RLD). (PMID: 34572049)

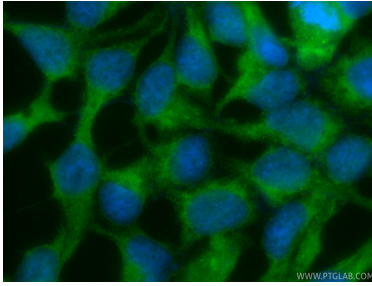
Storage

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, pH7.3
Aliquoting is unnecessary for -20°C storage

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)
E: proteintech@ptglab.com
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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 (-20°C Ethanol)
fixed HEK-293 cells using CoraLite® Plus 488
HERC5 antibody (CL488-87166, Clone: 252294E6)
at dilution of 1:200.