

For Research Use Only

CoraLite® Plus 488-conjugated CD117/c-Kit Recombinant monoclonal antibody

Catalog Number: CL488-84259-3



Basic Information

Catalog Number: CL488-84259-3	GenBank Accession Number: BC071593	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 3815	CloneNo.: 241312A12
Source: Rabbit	UNIPROT ID: P10721	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 976 aa, 110 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : Mo7e cells,
Species Specificity: human	

Background Information

CD117, also known as c-Kit and SCFR, is a transmembrane protein with tyrosine kinase activity encoded by the oncogene c-kit (PMID: 2448137). It is a member of the type III receptor tyrosine kinase family, which also includes CSF-1R, PDGFR β , PDGFR α , and FLT3 (PMID: 29518044). CD117 is expressed on hematopoietic stem cells and progenitor cells, mast cells, and is also found in a wide range of non-haemopoietic cell types (including melanocytes, germ cells, astrocytes, renal tubules, breast glandular epithelial cells, sweat glands, and interstitial cells of Cajal) (PMID: 10582338; 23073628). CD117 plays an important role in early hemopoiesis. It is also involved in pigmentation, fertility, gut movement, and some aspects of the nervous system (PMID: 23073628).

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

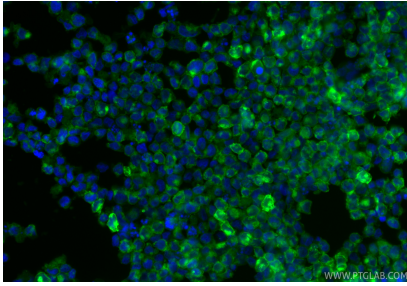
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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 Mo7e cells using Coralite® Plus 488 CD117/c-Kit antibody (CL488-84259-3, Clone: 241312A12) at dilution of 1:200.