

For Research Use Only

CoraLite® Plus 647 Anti-Mouse CD25/IL2RA (PC61.5)

Catalog Number:CL647-65137



Basic Information

Catalog Number: CL647-65137	GenBank Accession Number: BC114437	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 16184	CloneNo.: PC61.5
Source: Rat	UNIPROT ID: P01590	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG1, lambda	Full Name: interleukin 2 receptor, alpha chain	

Applications

Tested Applications:
FC

Species Specificity:
mouse

Background Information

Proliferation of T lymphocytes is triggered by the interaction of IL-2 with its specific receptor following T lymphocyte activation. The receptor for IL-2 has three forms, generated by different combinations of three different proteins, the alpha chain (IL-2R alpha), the beta chain (IL-2R beta), and the gamma chain (IL-2R gamma) (PMID: 8476561). IL-2R alpha (also known as CD25) is a type I transmembrane protein present on activated T cells, activated B cells, some thymocytes, myeloid precursors, and oligodendrocytes. CD25 is also found on natural CD4+Foxp3+ Treg cells (PMID: 22585674).

Storage

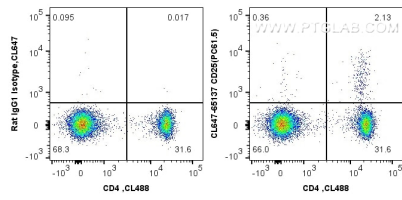
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

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



1X10⁶ mouse splenocytes were surface stained with CoraLite® 488 Anti-Mouse CD4 (CL488-65104, Clone: GK1.5) and 0.5 ug CoraLite® Plus 647 Anti-Mouse CD25 (CL647-65137, Clone: PC61.5) or CoraLite® Plus 647-Conjugated rat IgG2a isotype control. Cells were not fixed.