

For Research Use Only

Atlantic Blue™ Anti-Mouse CD25 (PC61.5)



Catalog Number: AB-65137

Basic Information

Catalog Number: AB-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: 404 nm / 458 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 0.09% sodium azide.

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

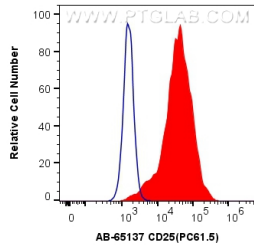
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ plate-bound Anti-CD3 and Anti-CD28 stimulated mouse splenocytes were surface stained with 0.5 ug Atlantic Blue™ Anti-Mouse CD25 (AB-65137, Clone: PC61.5) (red), or 0.5 ug Control Antibody. Cells were not fixed.