

Product datasheet

APC Anti-IL-2 Receptor alpha antibody [PC61.5] ab210330

[2 References](#) [1 Image](#)

Overview

| | |
|----------------------------|--|
| Product name | APC Anti-IL-2 Receptor alpha antibody [PC61.5] |
| Description | APC Rat monoclonal [PC61.5] to IL-2 Receptor alpha |
| Host species | Rat |
| Conjugation | APC. Ex: 645nm, Em: 660nm |
| Tested applications | Suitable for: Flow Cyt |
| Species reactivity | Reacts with: Mouse |
| Immunogen | The details of the immunogen for this antibody are not available. |
| Positive control | C57Bl/6 splenocytes. |
| General notes | <p>This antibody is used as a marker for T cells, B cells and dendritic cell subsets. Expression of CD25, CD4 and the transcription factor Foxp3 is regarded as a phenotypic signature for Treg cells. As such, this antibody is widely used to distinguish Treg cells from naïve or conventional T cells which are CD25-.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot. Store at +4°C. Store In the Dark. |
| Storage buffer | <p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 0.12% Monobasic dihydrogen sodium phosphate, 0.87% Sodium chloride, 0.1% Gelatin</p> |
| Purity | Affinity purified |

| | |
|--------------------|--|
| Purification notes | Purified from tissue culture supernatant and conjugated under optimal conditions, with unreacted dye removed from the preparation. |
| Clonality | Monoclonal |
| Clone number | PC61.5 |
| Isotype | IgG1 |

Applications

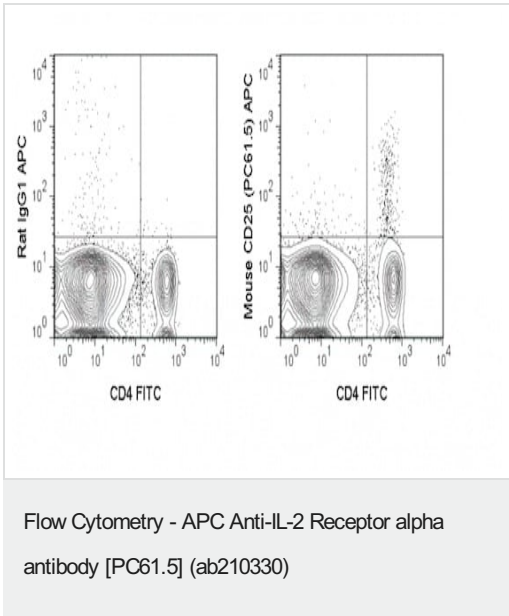
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| Application | Abreviews | Notes |
|-------------|-----------|---|
| Flow Cyt | | Use at an assay dependent concentration. Use at 0.125 µg/test |

Target

| | |
|------------------------|--|
| Function | Receptor for interleukin-2. |
| Involvement in disease | Genetic variations in IL2RA are associated with susceptibility to diabetes mellitus insulin-dependent type 10 (IDDM10) [MIM:601942]. A multifactorial disorder of glucose homeostasis that is characterized by susceptibility to ketoacidosis in the absence of insulin therapy. Clinical fetaures are polydipsia, polyphagia and polyuria which result from hyperglycemia-induced osmotic diuresis and secondary thirst. These derangements result in long-term complications that affect the eyes, kidneys, nerves, and blood vessels. |
| Sequence similarities | Contains 2 Sushi (CCP/SCR) domains. |
| Cellular localization | Membrane. |

Images



Flow Cytometry analysis of C57Bl/6 splenocytes labeling IL-2 Receptor alpha with ab210330 at 0.125 µg (right panel) or 0.125 µg Allophycocyanin Rat IgG1 (left panel). Counterstain: FITC Anti-Mouse CD4.

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