

Product datasheet

APC Anti-IL-2 Receptor alpha antibody [3C7] ab25485

1 References

Overview

Product name	APC Anti-IL-2 Receptor alpha antibody [3C7]
Description	APC Rat monoclonal [3C7] to IL-2 Receptor alpha
Host species	Rat
Conjugation	APC. Ex: 645nm, Em: 660nm
Specificity	ab25485 recognises low affinity alpha chain IL-2 receptor (MW 55 kDa) (IL-2R alpha).
Species reactivity	Reacts with: Mouse
Immunogen	Tissue, cells or virus corresponding to IL-2 Receptor alpha. IL-2 dependent BALB/c helper T cell clone HT2

General notes

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.

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.3 Preservative: 0.09% Sodium azide Constituents: PBS, 16% Sucrose
	Stabilising agent.
Purity	Affinity purified
Clonality	Monoclonal
Clone number	3C7
Isotype	IgG2b
Light chain type	kappa

Applications

Application notes

BL: Use at an assay dependent dilution.
ab25485 is useful for in vitro blocking of IL2 binding.
Flow Cyt: Use 0.3µg for 10⁶ cells.
IP: Use at an assay dependent dilution.
Inhib: Use at an assay dependent dilution.
ab25485 inhibits IL2 or mitogen induced T cell proliferation.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

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 features 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.

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