

Product datasheet

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

1 References

Overview

Product name	Anti-IL-2 Receptor alpha antibody [3C7] (APC)
Description	Rat monoclonal [3C7] to IL-2 Receptor alpha (APC)
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).
Tested applications	Suitable for: Flow Cyt, IP, Blocking, Inhibition Assay
Species reactivity	Reacts with: Mouse
Immunogen	The details of the immunogen for this antibody are not available.

Properties

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

Applications

Our [Abpromise guarantee](#) covers the use of **ab25485** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		
IP		
Blocking		
Inhibition Assay		

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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