

Product datasheet

Anti-IL-2 Receptor alpha antibody [3C7] (PE) ab25512

4 References

Overview

Product name	Anti-IL-2 Receptor alpha antibody [3C7] (PE)
Description	Rat monoclonal [3C7] to IL-2 Receptor alpha (PE)
Host species	Rat
Conjugation	PE. Ex: 488nm, Em: 575nm
Tested applications	Suitable for: Flow Cyt, IP, Inhibition Assay, Blocking
Species reactivity	Reacts with: Mouse
Immunogen	The details of the immunogen for this antibody are not available.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>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, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
Storage instructions	Store at +4°C in the dark. Do not freeze.

Storage buffer	pH: 7.3 Constituent: PBS
Purity	Affinity purified
Clonality	Monoclonal
Clone number	3C7
Isotype	IgG2b
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab25512** 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		
Inhibition Assay		
Blocking		

Application notes

In vitro blocking of IL-2 binding: Use at an assay dependent dilution.

FACS: Use 0.3µg for 10⁶ cells.

IP: Use at an assay dependent dilution.

Inhibition of IL-2 or mitogen-induced T cell proliferation: Use at an assay dependent dilution.

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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