

Anti-IL-2 Receptor alpha antibody [IL2R.1] ab9496

★★★★★ [1 Abreviews](#) [2 References](#) [3 Images](#)

Overview

Product name	Anti-IL-2 Receptor alpha antibody [IL2R.1]
Description	Mouse monoclonal [IL2R.1] to IL-2 Receptor alpha
Host species	Mouse
Specificity	This antibody is specific to a 55 kDa protein known as interleukin 2-receptor (IL-2R alpha). IL-2R alpha is over expressed on the surface of activated T cell, HTLV-1 or HTLV-2 positive T cell lines and moderately expressed on activated B cells, NK-cells and macrophages.
Tested applications	Suitable for: Flow Cyt, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human IL-2 Receptor alpha. Database link: P01589
Positive control	Tonsil.
General notes	<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. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Preservative: 0.1% Sodium azide Constituent: 0.1% Tween
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	IL2R.1

Myeloma	unknown
Isotype	IgG1
Light chain type	kappa

Applications

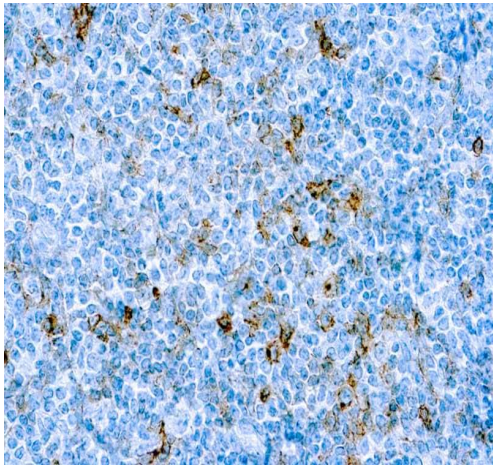
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab9496 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		1/50. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-P	★★★★★ (1)	1/25 - 1/75. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

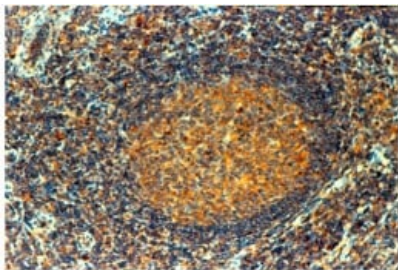
Function	Receptor for interleukin-2.
Involvement in disease	Genetic variations in IL2RA are associated with susceptibility to diabetes mellitus insulin-dependent type 10 (IDDM10) [MIM:601942]. A multifactorial disorder of glucose homeostasis that is characterized by susceptibility to ketoacidosis in 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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-2 Receptor alpha antibody [IL2R.1] (ab9496)

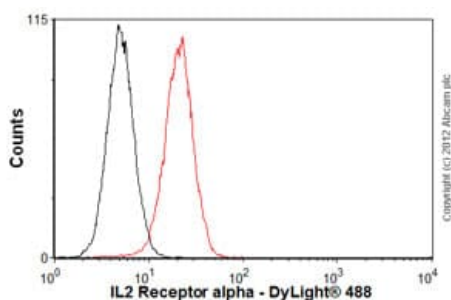
Formalin-fixed, paraffin-embedded human tonsil tissue stained for IL-2 Receptor alpha using ab9496 at 1/50 dilution in immunohistochemical analysis. Antigen retrieval with citrate buffer pH 6.0.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-2 Receptor alpha antibody [IL2R.1] (ab9496)

ab9496 - immunohistochemistry

Formalin fixed paraffin embedded human tonsil stained with CD25, using ABC and AEC chromagen.



Flow Cytometry - Anti-IL-2 Receptor alpha antibody [IL2R.1] (ab9496)

Overlay histogram showing Jurkat cells stained with ab9496 (red line). The cells were fixed with 80% methanol (5 min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab9496, 1/50 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

Please note that Abcam do not have any data for use of this antibody on non-fixed cells. We welcome any customer feedback.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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