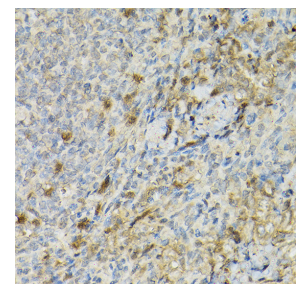
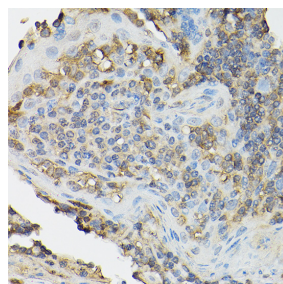
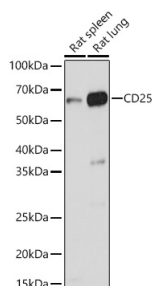


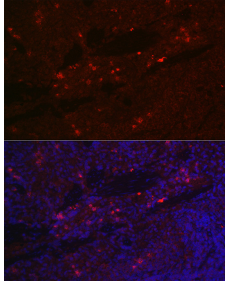
Cat. No:	AB-81365
Conjugate:	Unconjugated
Size:	100µg
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Immunogen A synthetic peptide corresponding to a sequence within amino acids 100-200 of human CD25.
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:500 - 1:1000 Immunohistochemistry (paraffin-embedded tissues): 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200 Immunocytochemistry: 1:50 - 1:200 Flow Cytometry: C 1:50 - 1:200
Molecular Weight:	60KDa
Purification:	Aff. Pur.
Synonyms:	p55; CD25; IL2R; IMD41; TCGFR; IDDM10
Background:	<p>The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (IL2RA) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolysis. Alternately-spliced IL2RA mRNAs have been isolated, but the significance of each is presently unknown. Mutations in this gene are associated with interleukin 2 receptor alpha deficiency. Patients with severe Coronavirus Disease 2019 (COVID-19), the disease caused by the novel severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), have significantly elevated levels of IL2R in their plasma. Similarly, serum IL-2R levels are found to be elevated in patients with different types of carcinomas. Certain IL2RA and IL2RB gene polymorphisms have been associated with lung cancer risk.</p>
Form:	Liquid
Buffer:	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.



Western blot analysis of extracts of various cell lines, using CD25 antibody at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.

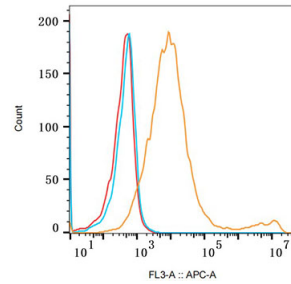
Detection: ECL West Pico Plus.
Exposure time: 3s.



Immunofluorescence analysis of rat spleen cells using CD25 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Immunohistochemistry of paraffinembedded human tonsil using CD25 Rabbit pAb at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Immunohistochemistry of paraffinembedded rat spleen using CD25 Rabbit pAb at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Flow cytometry: 293F Transfection cells(+) and 293F cells(-) were stained with Rabbit IgG isotype control (AC042, 10 ug/ml, blue line) or CD25 Rabbit pAb 2.5ug/ml orange line), followed by Goat anti-Rabbit pAb Alexa Fluor 647 (1:600 dilution) staining. Non-fluorescently stained Daudi cells was used as blank control (red line).

References:

References for CD25 Rabbit pAb

Product:CD25 Rabbit pAb

Journal:Journal of nanobiotechnology

Application:IHC

IF:10.43

Species:Mus musculus

PMID:35248056

Title:Continuous ZnO nanoparticle exposure induces melanoma-like skin lesions in epidermal barrier dysfunction model mice through anti-apoptotic effects mediated by the oxidative stress-activated NF- κ B pathway

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