abcam

ab264557

Anti-IL-2 Receptor alpha antibody [EPR22816-65]

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR22816-65
Purification technique	Affinity purification Protein A
Concentration	0.557 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Not recommended

Species	Mouse, Human, Rat
Dilution info	-
Notes	-

Flow Cyt

Tested

Species	Mouse
Dilution info	1/500
Notes	-

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Rat
Dilution info	-
Notes	-

WB

Tested

Species	Mouse
Dilution info	1/1000
Notes	-

Species	Human
Dilution info	1/1000
Notes	-

Not recommended

Species	Rat
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

ICC/IF

Not recommended

Species	Mouse, Human, Rat
Dilution info	-
Notes	-

Target data

See full target information IL2RA

Function	Receptor for interleukin-2. The receptor is involved in the regulation of immune tolerance by controlling regulatory T cells (TREGs) activity. TREGs suppress the activation and expansion of autoreactive T-cells.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

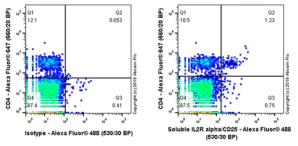
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

3 product images

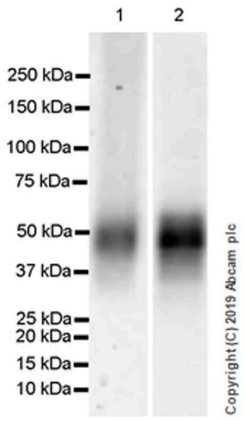


Flow Cytometry - Anti-IL-2 Receptor alpha antibody [EPR22816-65] (ab264557)

IL-2 Receptor alpha Flow Cytometry staining using rabbit Anti-IL-2 Receptor alpha antibody

Flow cytometric analysis of Mouse splenocytes cells labelling IL-2 Receptor alpha with ab264557 at 1/500 (Right) as compared with a Rabbit monoclonal IgG (ab172730) isotype control (Left). Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) at 1/2000 dilution was used as the secondary antibody.
Cells were stained with rabbit IgG (Left) or ab264557 (Right). Then stained with anti-CD4 conjugated to Alexa Fluor® 647.

Gated on viable cells.



Western blot - Anti-IL-2 Receptor alpha antibody [EPR22816-65] (ab264557)

IL-2 Receptor alpha Western blot staining using rabbit Anti-IL-2 Receptor alpha antibody

Blocking and dilution buffer: 5% NFDM/TBST.
Exposure times.

Lane 1: 3 minutes; Lane 2: 81 seconds.

All lanes:
Western blot - Anti-IL-2 Receptor alpha antibody [EPR22816-65] (ab264557) at 1/1000 dilution

Lane 1:
Mouse thymus lysate at 20 µg

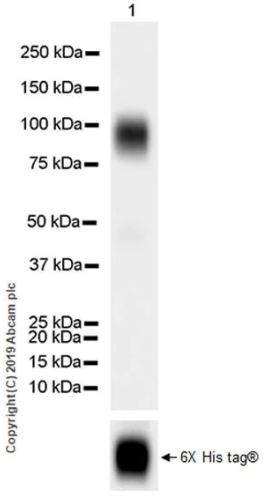
Lane 2:
WEHI-231 (mouse B cell lymphoma B lymphocyte) whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Predicted band size: 31 kDa

Observed band size: 50 kDa



Western blot - Anti-IL-2 Receptor alpha antibody [EPR22816-65] (ab264557)

Blocking and dilution buffer: 5% NFDM/TBST.
Exposure time: 5 seconds.

This recombinant protein with LIF-tag (LIF tag MW is ~40KD) expressed from a mammalian - HEK-293 expression system.

All lanes:
Western blot - Anti-IL-2 Receptor alpha antibody [EPR22816-65] (ab264557) at 1/1000 dilution

All lanes:
His-tagged mouse IL-2 Receptor alpha recombinant protein (aa22-236) 10 ng

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Predicted band size: 31 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.