

Product datasheet

Anti-IL-21R antibody [EPR23637-53] ab256796

Recombinant RabMAb

2 Images

Overview

Product name	Anti-IL-21R antibody [EPR23637-53]
Description	Rabbit monoclonal [EPR23637-53] to IL-21R
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt Unsuitable for: ICC/IF, IHC-P, IP or WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	Flow cyt: Human peripheral blood mononuclear cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR23637-53
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab256796 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

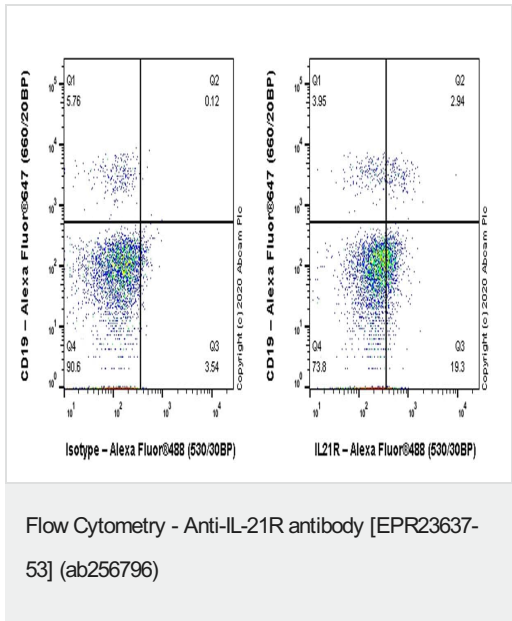
Application	Abreviews	Notes
Flow Cyt		1/500.

Application notes Is unsuitable for ICC/IF,IHC-P,IP or WB.

Target

Function	This is a receptor for interleukin-21.
Tissue specificity	Selectively expressed in lymphoid tissues. Most highly expressed in thymus and spleen.
Sequence similarities	Belongs to the type I cytokine receptor family. Type 4 subfamily. Contains 2 fibronectin type-III domains.
Domain	The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation.
Post-translational modifications	C-mannosylated at Trp-214 in the WSXWS motif, the sugar chain makes extensive hydrogen bonds with Asn-73 sugar, and bridges the two fibronectin domains transforming the V-shaped receptor into an A-frame.
Cellular localization	Membrane.

Images



Flow cytometric analysis of human peripheral blood mononuclear cell (PBMC) cells labelling IL-21R with ab256796 at 1/500 dilution (0.1ug) (Right) 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 or ab256796. Then stained with anti-CD19 conjugated to Alexa Fluor® 647. Gated on viable cells.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-IL-21R antibody [EPR23637-53] (ab256796)

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

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