

Product datasheet

Anti-IL-5RA antibody [CAL40] - BSA and Azide free ab251603

Recombinant RabMAb

[4 Images](#)

Overview

Product name	Anti-IL-5RA antibody [CAL40] - BSA and Azide free
Description	Rabbit monoclonal [CAL40] to IL-5RA - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, Indirect ELISA Unsuitable for: Flow Cyt, ICC/IF, IP or WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human IL-5RA aa 1-350. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: Q01344 Run BLAST with Run BLAST with
Positive control	IHC-P: Human tonsil tissue.
General notes	ab251603 is the carrier-free version of ab237716 . Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar [®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar [®] is a trademark of Fluidigm Canada Inc.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Purification notes	Purity is greater than 99%.
Clonality	Monoclonal
Clone number	CAL40
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab251603 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

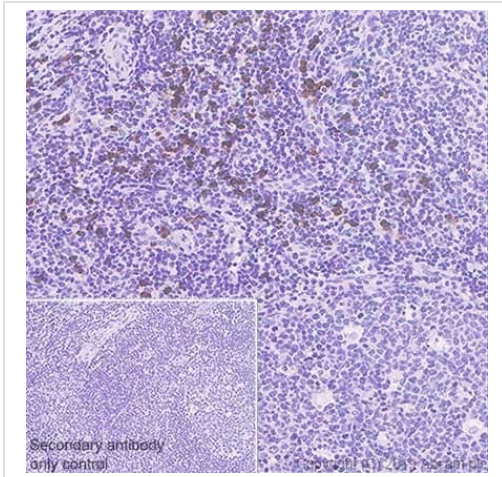
Application	Abreviews	Notes
IHC-P		1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Indirect ELISA		Use at an assay dependent concentration.

Application notes Is unsuitable for Flow Cyt, ICC/IF, IP or WB.

Target

Function	This is the receptor for interleukin-5. The alpha chain binds to IL5.
Tissue specificity	Expressed on eosinophils and basophils.
Sequence similarities	Belongs to the type I cytokine receptor family. Type 5 subfamily.
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.
Cellular localization	Membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-5RA antibody [CAL40]
 - BSA and Azide free (ab251603)

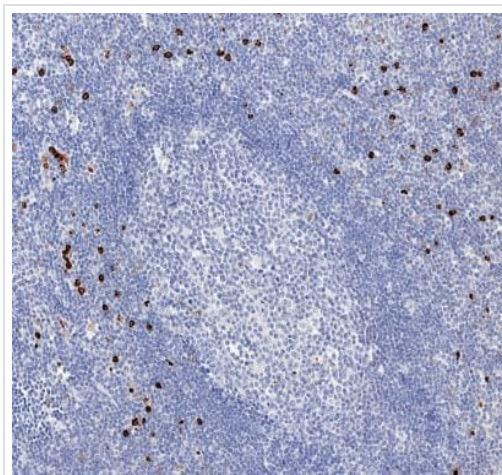
Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling IL-5RA with **ab237716** at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ready to use. Positive staining on human tonsil is observed. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ready to use.

The section was incubated with **ab237716** for 15 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument.

This data was developed using the same antibody clone in a different buffer formulation containing PBS and sodium azide (**ab237716**).

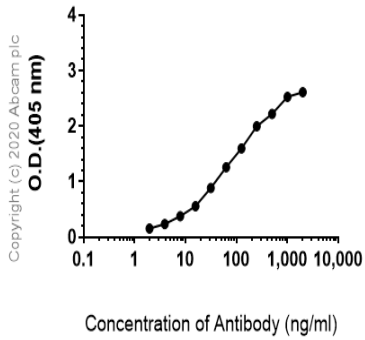


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-5RA antibody [CAL40]
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Formalin-fixed, paraffin-embedded human tonsil tissue stained for IL5RA using **ab237716** at 0.125 µg/ml in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS and sodium azide (**ab237716**).

Indirect ELISA antibody dose-response curve antigen at 1000 ng/ml

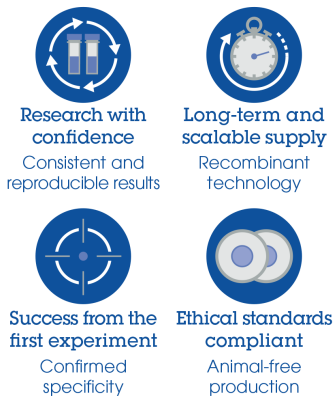


Indirect ELISA - Anti-IL-5RA antibody [CAL40] - BSA
and Azide free (ab251603)

This data was developed using **ab237716**, the same antibody clone in a different buffer formulation.

ELISA analysis of Human IL5RA recombinant protein at 1000 ng/mL with **ab237716**. An Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) at 1/2500 dilution was used as the secondary antibody.

Why choose a recombinant antibody?



Anti-IL-5RA antibody [CAL40] - BSA and Azide free
(ab251603)

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

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