

Datasheet for ABIN2664185  
**anti-IL4 Receptor antibody**



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2 Images

## Overview

Quantity:	100 µg
Target:	IL4 Receptor (IL4R)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This IL4 Receptor antibody is un-conjugated
Application:	Intracellular Flow Cytometry (ICFC), ELISA (Detection), ELISpot (Detection) (ELISPOT (Detection))

## Product Details

Clone:	I015F8
Isotype:	IgG2b kappa
Purification:	The antibody was purified by affinity chromatography.

## Target Details

Target:	IL4 Receptor (IL4R)
Alternative Name:	CD124 ( <a href="#">IL4R Products</a> )
Background:	CD124, a subunit of IL-4R, is a 140 kD transmembrane glycoprotein. It associates with either the common γ-chain (CD132) to form the type I IL-4R complex, which specifically binds IL-4, or with IL-13Ra1 to form the type II IL-4R heterodimeric complex, which binds and transduces signals from either IL-4 or IL-13. A truncated form of IL-4Rα exists in soluble form in biological

Target Details

fluids. CD124 is expressed on mouse late precursors and mature B cells, T cells, monocytes, and has low expression on granulocytes. In B cells, CD124 can bind IL-4 and IL-13 and regulate IgE antibody production. In T cells, the type I IL-4R (IL-4R/gC) is mostly responsible for Th2 cell expansion by mediating IL-4-dependent activation of the transcription factors in hematopoietic cells. The type II IL-4R (IL-4R/IL-13Ra1) is the main route for nonhematopoietic cell responses to IL-4 or IL-13.

Pathways: [JAK-STAT Signaling](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.

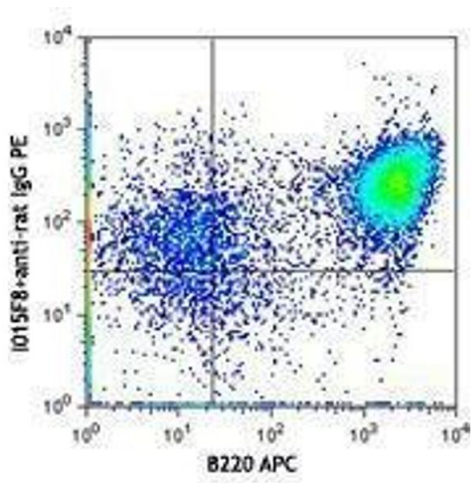
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

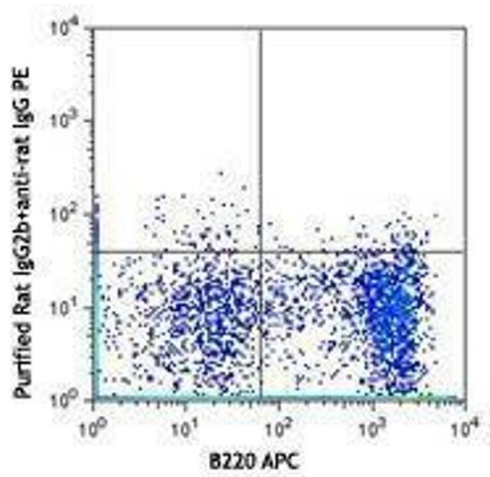
Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C.

Images



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.