

Datasheet for ABIN2664183  
**anti-IL4 Receptor antibody**



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2 Images

## Overview

Quantity:	100 µg
Target:	IL4 Receptor (IL4R)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL4 Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Neutralization (Neut), Intracellular Flow Cytometry (ICFC), ELISpot (Capture) (ELISPOT (Capture)), ELISA (Capture)

## Product Details

Clone:	G077F6
Isotype:	IgG2a 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, also known as the alpha subunit of IL-4R, is a 140 kD transmembrane glycoprotein. It associates with either the common $\gamma$ -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-4Ra exists in the

Target Details

soluble form in biological fluids. CD124 is expressed on human B and T cells as well as a variety of other hematopoietic and non-hematopoietic cells and cell lines. In B cells, CD124 can bind with IL-4 and IL-13 to 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 non-hematopoietic cell responses to IL-4 or IL-13.

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

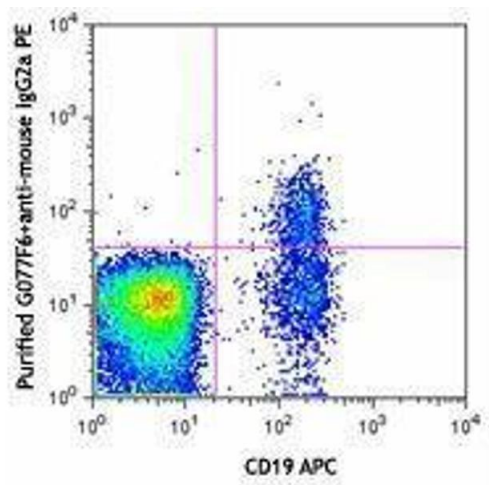
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

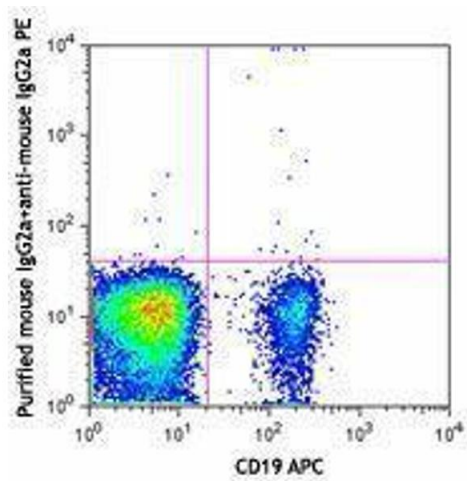
Concentration:	0.5 mg/mL
Buffer:	Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	The antibody solution should be stored undiluted between 2°C and 8°C.

Images



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.