

Datasheet for ABIN2749220  
**anti-IL9 Receptor antibody****2** Publications[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	IL9 Receptor (IL9R)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL9 Receptor antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS)

## Product Details

Immunogen:	Human CD129-transfected cell line
Clone:	AH9R7
Isotype:	IgG2b kappa
Specificity:	The mouse monoclonal antibody AH9R7 recognizes an extracellular epitope of CD129 / IL-9R alpha, a 57 kDa type I transmembrane glycoprotein expressed at low levels by lymphocytes, blood cell progenitors, eosinophils, mast cells, epithelial cells, muscle cells and neurons.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## Target Details

Target:	IL9 Receptor (IL9R)
Alternative Name:	CD129 / IL-9R alpha ( <a href="#">IL9R Products</a> )
Background:	Interleukin 9 receptor,CD129 serves as the high affinity alpha subunit of IL-9 receptor. It associates with CD132, the common gamma chain shared by receptors of many different cytokines. CD129 is expressed at low levels by T and B cells, blood cell progenitors, eosinophils, mast cells, epithelial cells, muscle cells and neurons. Its signaling (through JAK/STAT pathways) results in proliferative and anti-apoptotic response, which is critical e.g. for intrathymic T cell development and survival of various cell types. The gene for CD129 is located at the pseudoautosomal regions of X and Y chromosomes and it may be related with the development of asthma.,IL9R
Gene ID:	3581
UniProt:	<a href="#">Q01113</a>
Pathways:	<a href="#">JAK-STAT Signaling, Growth Factor Binding</a>

## Application Details

Application Notes:	Flow cytometry: It is recommended to use bright fluorochromes or signal multiplying detection.
Restrictions:	For Research Use only

## Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM 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:	Store at 2-8°C. Do not freeze.

## Publications

Product cited in:	Pilette, Ouadrhiri, Van Snick, Renauld, Staquet, Vaerman, Sibille: "Oxidative burst in lipopolysaccharide-activated human alveolar macrophages is inhibited by interleukin-9." in: <b>The European respiratory journal</b> , Vol. 20, Issue 5, pp. 1198-205, (2002) ( <a href="#">PubMed</a> ).
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De Smedt, Verhasselt, Kerre, Vanhecke, Naessens, Leclercq, Renauld, Van Snick, Plum: "Signals from the IL-9 receptor are critical for the early stages of human intrathymic T cell development." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 164, Issue 4, pp. 1761-7, (2000) ([PubMed](#)).