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## **Publications**



#### 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), Functional Studies (Func)

#### **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)
Endotoxin Level:	Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.

### **Target Details**

Target:	IL9 Receptor (IL9R)
Alternative Name:	CD129 / IL-9R alpha (IL9R Products)
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:	Q01113
Pathways:	JAK-STAT Signaling, Growth Factor Binding
Application Details	
Application Notes:	Functional application: Blocking.
	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
Preservative:	Azide free
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</b>
	European respiratory journal, Vol. 20, Issue 5, pp. 1198-205, (2002) (PubMed).

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).