

## Product datasheet for **AM26785PU-N**

### IL9R Mouse Monoclonal Antibody [Clone ID: AH9R7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	AH9R7
Applications:	ELISA, FC, FN
Recommended Dilution:	<b>Flow cytometry:</b> Use bright fluorochromes or signal multiplying detection. <b>ELISA.</b> <b>Functional application:</b> blocking.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human CD129-transfected cell line
Specificity:	This antibody recognizes 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.
Formulation:	Phosphate buffered saline (PBS) State: Purified State: Liquid Ig fraction Preservative: 15 mM sodium azide, approx. pH 7.4
Concentration:	lot specific
Purification:	Protein-A affinity chromatography (> 95% pure by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 9 receptor
Database Link:	<a href="#">Entrez Gene 3581 Human Q01113</a>



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**Background:**

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.

**Synonyms:**

Interleukin-9 receptor, IL-9R, IL-9 receptor