

Product datasheet for **AM26785LE-N**

IL9R Mouse Monoclonal Antibody [Clone ID: AH9R7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AH9R7
Applications:	ELISA, FC, FN
Recommended Dilution:	Flow cytometry: Use bright fluorochromes or signal multiplying detection. ELISA. Functional application: 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:	Azide free phosphate buffered saline (PBS), approx. pH 7.4; 0.2 µm filter sterilized State: Low Endotoxin State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 9 receptor
Database Link:	Entrez Gene 3581 Human Q01113



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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