

ARG42400
anti-CD129 / IL9R antibody [AH9R7] (PE)

Package: 50 tests

Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [AH9R7] recognizes CD129 / IL9R
Tested Reactivity	Hu
Tested Application	FACS
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.
Host	Mouse
Clonality	Monoclonal
Clone	AH9R7
Isotype	IgG2b, kappa
Target Name	CD129 / IL9R
Species	Human
Immunogen	Human CD129-transfected cell line.
Conjugation	PE
Alternate Names	IL-9R; CD antigen CD129; CD129; IL-9 receptor; Interleukin-9 receptor

Application Instructions

Application table	Application	Dilution
	FACS	10 µl / 100 µl of whole blood or 10 ⁶ cells

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

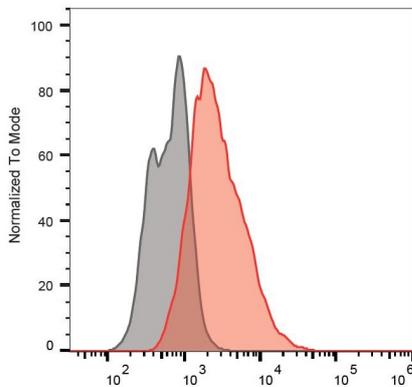
Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IL9R
Gene Full Name	interleukin 9 receptor
Background	The protein encoded by this gene is a cytokine receptor that specifically mediates the biological effects of interleukin 9 (IL9). The functional IL9 receptor complex requires this protein as well as the interleukin 2 receptor, gamma (IL2RG), a common gamma subunit shared by the receptors of many different cytokines. The ligand binding of this receptor leads to the activation of various JAK kinases and STAT proteins, which connect to different biologic responses. This gene is located at the pseudoautosomal regions of X and Y chromosomes. Genetic studies suggested an association of this gene with the development of asthma. Multiple pseudogenes on chromosome 9, 10, 16, and 18 have been described. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]
Function	This is a receptor for interleukin-9. [UniProt]
Calculated Mw	57 kDa
Cellular Localization	Cell membrane; Single-pass type I membrane protein. Secreted. [UniProt]

Images



ARG42400 anti-CD129 / IL9R antibody [AH9R7] (PE) FACS image

Flow Cytometry: Separation of stained HuT-78 cells (red) from unstained HuT-78 cells (grey). Cells were stained with ARG42400 anti-CD129 / IL9R antibody [AH9R7] (PE) at 9 µg/ml dilution.