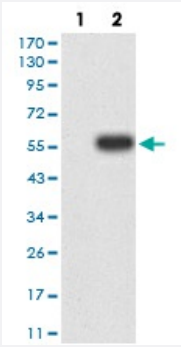
IL9R monoclonal antibody, clone 1C2A6

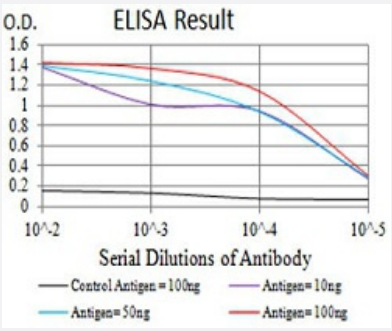
Catalog # MAB17603 Size 100 ug

Applications



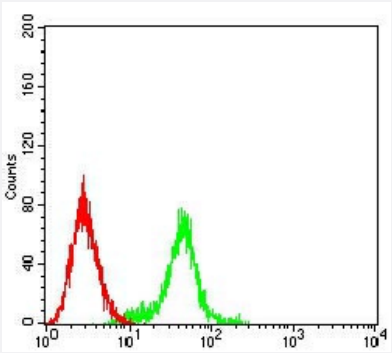
Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) IL9R-hIgGFc transfected HEK293 cell lysate.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of IL9R monoclonal antibody, clone 1C2A6.



Flow Cytometry

Flow cytometric analysis of Ramos cells with IL9R monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human IL9R.

Immunogen	Recombinant protein corresponding to amino acid 41-270 of human IL9R from *E. coli*.
Host	Mouse
Theoretical MW (kDa)	57.1
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunocytochemistry Flow Cytometry (1:200-1:400) Immunohistochemistry (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

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Gene Info — IL9R

Entrez GeneID	3581
Gene Name	IL9R
Gene Alias	CD129

Gene Description	interleukin 9 receptor
Omim ID	300007
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	OTTHUMP00000024332

Pathway

- Cytokine-cytokine receptor interaction
- Hematopoietic cell lineage
- Jak-STAT signaling pathway

Disease

- Arthritis
- Asthma
- Berylliosis
- Bronchiolitis
- Chorioamnionitis
- Chronic Disease
- Fetal Membranes
- Genetic Predisposition to Disease
- Hyperparathyroidism
- Infant

- Lymphoma
- Obstetric Labor
- Pre-Eclampsia
- Premature Birth
- Respiratory Hypersensitivity
- Respiratory Syncytial Virus Infections
- Urinary Bladder Neoplasms