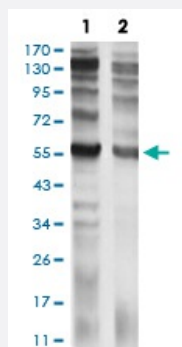


IL9R monoclonal antibody, clone 4A11H2

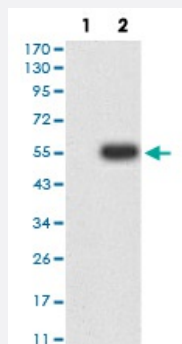
Catalog # MAB17636 Size 100 ug

Applications



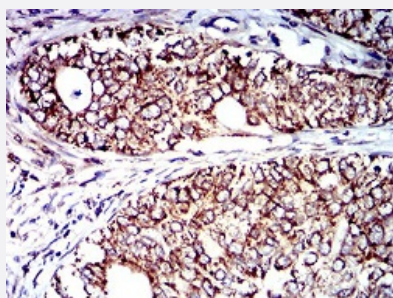
Western Blot (Cell lysate)

Western blot analysis of (1) C6 cell, (2) PC-3 cell with IL9R monoclonal antibody.



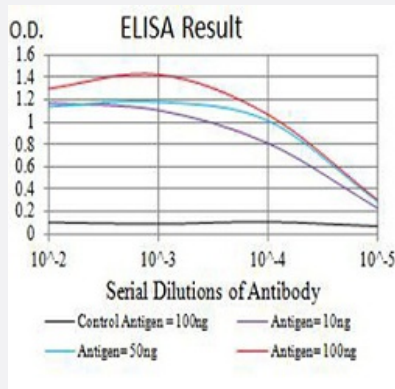
Western Blot (Transfected lysate)

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



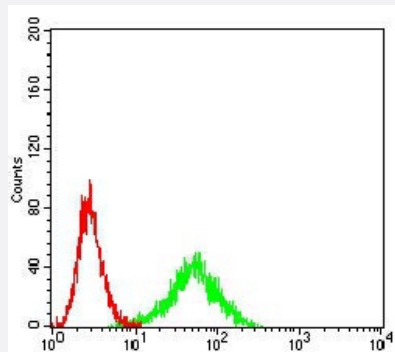
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded cervical cancer tissue with IL9R monoclonal antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of IL9R monoclonal antibody, clone 4A11H2.



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 <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	57.1
Reactivity	Human, Rat
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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of (1) C6 cell, (2) PC-3 cell with IL9R monoclonal antibody.

- Western Blot (Transfected lysate)

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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded cervical cancer tissue with IL9R monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of IL9R monoclonal antibody, clone 4A11H2.

- Flow Cytometry

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

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](#)