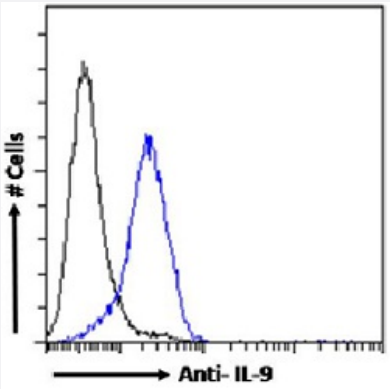
RecomAb™

IL9 recombinant monoclonal antibody, clone MH9A4

Catalog # RAB03600 Size 200 ug

Applications



Flow Cytometry

Flow cytometric analysis of human peripheral blood leukocytes (PBL) with IL9 recombinant monoclonal antibody, clone MH9A4 (Cat # RAB03600).
Human PBL cells were fixed using 2% PFA and permeabilized with 0.5% Triton and stained with anti-Fluorescein IgG antibody (isotype control-black line) or the r version of RAB03600 (blue line) at a dilution of 1:100 for 1h at RT. After washing the bound antibody was detected using a goat anti-mouse IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human IL9.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against human IL9 coupled to ovalbumin.
Reactivity	Human
Form	Liquid
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% Proclin 300)

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Storage Instruction	Store at 4°C for 3 months. For long term storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Flow Cytometry

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Gene Info — IL9

Entrez GeneID	3578
Gene Name	IL9
Gene Alias	HP40, IL-9, P40
Gene Description	interleukin 9
Omim ID	146931
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytokine that acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. The gene encoding this cytokine has been identified as a candidate gene for asthma. Genetic studies on a mouse model of asthma demonstrated that this cytokine is a determining factor in the pathogenesis of bronchial hyperresponsiveness. [provided by RefSeq
Other Designations	OTTHUMP00000159423|T-cell growth factor p40|homolog of mouse T cell and mast cell growth factor 40|p40 T-cell and mast cell growth factor|p40 cytokine

Pathway

- Asthma

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- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway

Disease

- Asthma
- Atherosclerosis
- Berylliosis
- Brain Ischemia
- Bronchial Hyperreactivity
- Bronchiolitis
- Cardiovascular Diseases
- Celiac Disease
- Chlamydia Infections
- Chorioamnionitis
- Chronic Disease
- Constriction
- Coronary Artery Disease
- Diabetes Mellitus
- Edema
- Fetal Membranes
- Food Hypersensitivity
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hodgkin Disease
- Hypersensitivity
- Hypertension

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- Infant
- Inflammation
- Lymphoma
- Lymphoproliferative Disorders
- Migraine Disorders
- Multiple Myeloma
- Multiple Sclerosis
- Obstetric Labor
- Occupational Diseases
- Osteoporosis
- Pre-Eclampsia
- Premature Birth
- Recurrence
- Respiratory Hypersensitivity
- Respiratory Sounds
- Respiratory Syncytial Virus Infections
- Schizophrenia
- Stroke
- Trachoma
- Waldenstrom Macroglobulinemia
- Werner syndrome

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