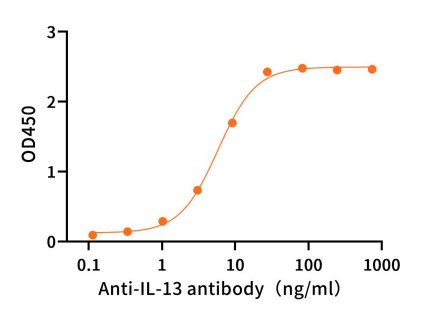
RecomAb™ | *In Vivo* Functional Grade Antibodies | Sm Size

IL13 recombinant monoclonal antibody

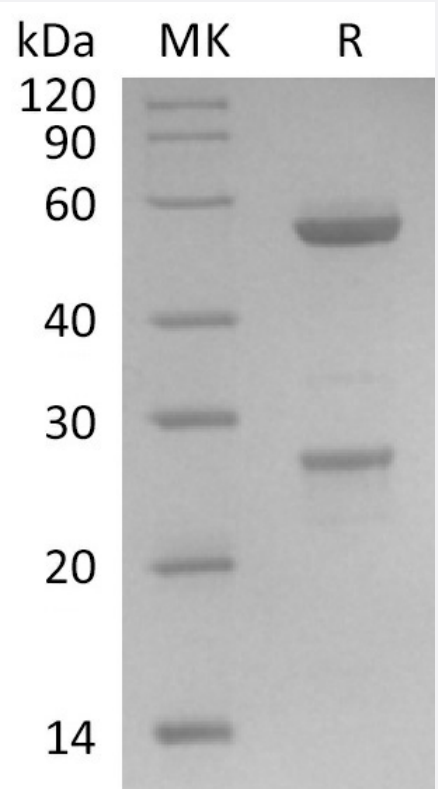
Catalog # RAB09533 Size 50 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized Recombinant Human IL-13 (C-6His) at 2 ug/mL (100 uL/well) can bind IL13 recombinant monoclonal antibody, IgG4.The EC_{50} of IL13 recombinant monoclonal antibody, IgG4 is 5.81 ng/mL.



SDS-PAGE

Greater than 95% as determined by reducing SDS-PAGE.

Specification

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Product Description	IL13 recombinant monoclonal antibody, IgG4 targeting human IL13 recombinant protein.
Antibody Species	Human
Theoretical MW (kDa)	49.4, 22.7
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell expression system
Isotype	Human IgG4
Purity	≥ 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of the protein by the LAL method.
Form	Liquid
Isotype	IgG4
Storage Buffer	In 20mM Histidine, 8% Sucrose, 0.06% Tween80, pH5.0.
Sterility	0.2 um filtration
Storage Instruction	Store at -20°C, stable for 12 months after receipt. Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay

  Immobilized Recombinant Human IL-13 (C-6His) at 2 ug/mL (100 uL/well) can bind IL13 recombinant monoclonal antibody, IgG4.The EC_{50} of IL13 recombinant monoclonal antibody, IgG4 is 5.81 ng/mL.

Gene Info — IL13

Entrez GeneID	3596
Gene Name	IL13
Gene Alias	ALRH, BHR1, IL-13, MGC116786, MGC116788, MGC116789, P600

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Description	interleukin 13
Omim ID	147683 600807 607154
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4. [provided by RefSeq
Other Designations	-

Pathway

- Asthma
- Cytokine-cytokine receptor interaction
- Fc epsilon RI signaling pathway
- Jak-STAT signaling pathway

Disease

- Acquired Immunodeficiency Syndrome
- Adenocarcinoma
- Aggressive Periodontitis
- Arthritis
- Asthma
- Atherosclerosis
- Biliary Tract Neoplasms
- Brain Ischemia
- Brain Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Bronchiolitis
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Cataract
- Celiac Disease
- Central Nervous System Neoplasms
- Chlamydia Infections
- Chronic Periodontitis
- Colitis
- Conjunctivitis
- Connective Tissue Diseases
- Coronary Artery Disease
- Coronary Disease
- Dermatitis
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Drug Hypersensitivity
- Eczema
- Edema
- Egg Hypersensitivity
- Eosinophilia

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Epidermal Necrolysis
- Erythema Nodosum
- Esophageal Neoplasms
- Esophagitis
- Eye Diseases
- Fetal Diseases
- Fibrosis
- Food Hypersensitivity
- Gastritis
- Genetic Predisposition to Disease
- Gingival Hemorrhage
- Glioblastoma
- Glioma
- Glomerulonephritis
- Graves Disease
- Helicobacter Infections
- Hematologic Diseases
- HIV Infections
- Hodgkin Disease
- Hypersensitivity
- Hypertension
- Infant
- Infection
- Inflammation
- Inflammatory Bowel Diseases
- Kidney Failure

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Latex Hypersensitivity
- Liver Cirrhosis
- Lung Neoplasms
- Lupus Erythematosus
- Lymphoma
- Lymphoproliferative Disorders
- Malaria
- Mastocytosis
- Migraine Disorders
- Multiple Myeloma
- Multiple Sclerosis
- Musculoskeletal Diseases
- Neoplasms
- Nephrosis
- Nephrotic Syndrome
- Obesity
- Occupational Diseases
- Onchocerciasis
- Osteoarthritis
- Osteoporosis
- Pain
- Parasitemia
- Pemphigoid
- Peptic Ulcer
- Periodontal Attachment Loss
- Periodontal Pocket

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Periodontitis
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prenatal Exposure Delayed Effects
- Prostatic Neoplasms
- Psoriasis
- Puerperal Disorders
- Pulmonary Disease
- Radiation Injuries
- Radiation Pneumonitis
- Recurrence
- Respiratory Hypersensitivity
- Respiratory Sounds
- Respiratory Syncytial Virus Infections
- Rhinitis
- Sarcoidosis
- Sarcoma
- Schistosomiasis japonica
- Schistosomiasis mansoni
- Scleroderma
- Sepsis
- Skin Diseases
- Stevens-Johnson Syndrome
- Streptococcal Infections
- Stroke

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Trachoma
- Tuberculosis
- Urinary Bladder Neoplasms
- Vaginosis
- Waldenstrom Macroglobulinemia
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.