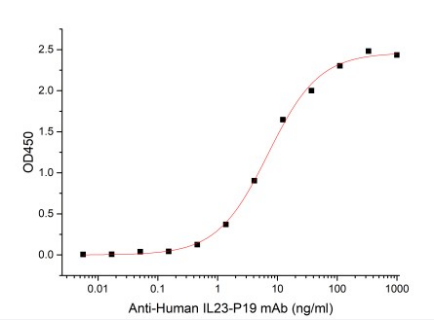
RecomAb™

IL23A-P19 recombinant monoclonal antibody (Guselkumab)

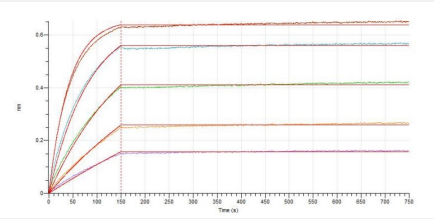
Catalog # RAB09700 Size 50 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized Human IL23A & mouse IL12B Heterodimer-His at 2 ug/mL (100 uL/well) can bind IL23A-P19 recombinant monoclonal antibody (Cat# RAB09700). The ED_{50} of IL23A-P19 recombinant monoclonal antibody (Cat# RAB09700) is 7.47 ng/mL .



Bio-layer interferometry

Loaded IL23A-P19 recombinant monoclonal antibody (Cat# RAB09700) on Protein A Biosensor, can bind Human IL23A & mouse IL12B Heterodimer-His with an affinity constant of < 10-3 nM as determined in BLI assay.

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

Specification

Product Description	Recombinant human monoclonal antibody raised against human IL23A-P19.

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Host	Human
Theoretical MW (kDa)	49.2, 22.8
Form	Liquid
Preparation Method	Mammalian expression system
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin Level	< 1 EU/ug as determined by LAL test.
Isotype	Human IgG1
Regulatory Status	For research use only (RUO)
Recommend Usage	ELISA BLI assay The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 5% Trehalose, pH7.4 (0.2 um filtered solution).
Storage Instruction	Store at -20°C. Avoid multiple freeze-thaw cycles.

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- Enzyme-linked Immunoabsorbent Assay

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Gene Info — IL23A

Entrez GeneID	51561
Protein Accession#	Q9NPF7
Gene Name	IL23A
Gene Alias	IL-23, IL-23A, IL23P19, MGC79388, P19, SGRF

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Gene Description	interleukin 23, alpha subunit p19
Omim ID	605580
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a subunit of the heterodimeric cytokine interleukin 23 (IL23). IL23 is compose d of this protein and the p40 subunit of interleukin 12 (IL12B). The receptor of IL23 is formed by th e beta 1 subunit of IL12 (IL12RB1) and an IL23 specific subunit, IL23R. Both IL23 and IL12 can ac tivate the transcription activator STAT4, and stimulate the production of interferon-gamma (IFNG). In contrast to IL12, which acts mainly on naive CD4(+) T cells, IL23 preferentially acts on memory CD4(+) T cells. [provided by RefSeq
Other Designations	JKA3 induced upon T-cell activation|interleukin 23 p19 subunit

Pathway

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

Disease

- Arthritis
- Crohn Disease
- Genetic Predisposition to Disease
- Hepatitis C
- Psoriasis
- Scleroderma

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