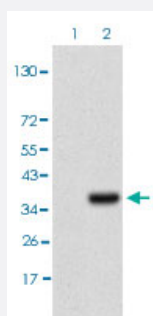


IL3RA monoclonal antibody, clone 10B8E7

Catalog # MAB12487

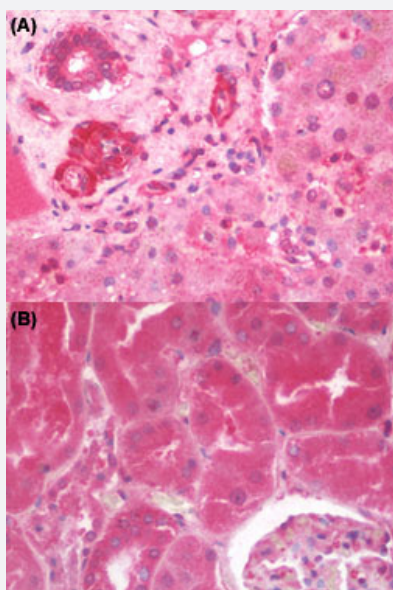
Size 50 uL

Applications



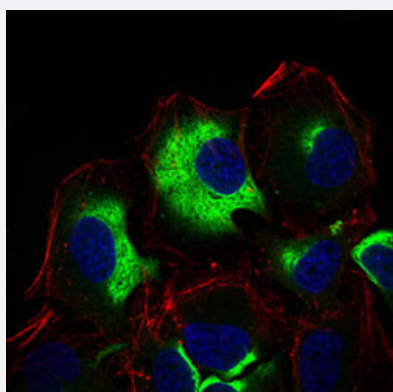
Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293T cell lysate, Lane 2: IL3RA (a.a.: 200-305)-hIgGFc transfected HEK293T cell lysate using IL3RA monoclonal antibody, clone 10B8E7 (Cat # MAB12487) at 1:500-1:2000 dilution.



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver tissue (A) and human kidney tissue (B) using IL3RA monoclonal antibody, clone 10B8E7 (Cat # MAB12487) under 10 ug/mL working concentration.

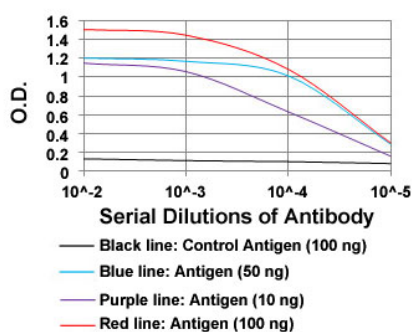


Immunofluorescence

Immunofluorescent staining of HeLa cells using IL3RA monoclonal antibody, clone 10B8E7 (Cat # MAB12487).

Enzyme-linked Immunoabsorbent Assay

ELISA analysis of IL3RA monoclonal antibody, clone 10B8E7 (Cat # MAB12487) at 1:10000 dilution.



Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human IL3RA.
Immunogen	Recombinant protein corresponding to amino acids 200-305 of human IL3RA.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry Immunocytochemistry (1:200-1:100) Immunofluorescence Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10 ug/mL) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	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 (Transfected lysate)

Western blot analysis of Lane 1: HEK293T cell lysate, Lane 2: IL3RA (a.a.: 200-305)-hlgGFc transfected HEK293T cell lysate using IL3RA monoclonal antibody, clone 10B8E7 (Cat # MAB12487) at 1:500-1:2000 dilution.

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- Immunocytochemistry

- Immunofluorescence

Immunofluorescent staining of HeLa cells using IL3RA monoclonal antibody, clone 10B8E7 (Cat # MAB12487).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of IL3RA monoclonal antibody, clone 10B8E7 (Cat # MAB12487) at 1:10000 dilution.

- Flow Cytometry

Gene Info — IL3RA

Entrez GeneID [3563](#)

Protein Accession# [P26951](#)

Gene Name IL3RA

Gene Alias CD123, IL3R, IL3RAY, IL3RX, IL3RY, MGC34174, hIL-3Ra

Gene Description interleukin 3 receptor, alpha (low affinity)

Omim ID [308385 430000](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is an interleukin 3 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL3 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL3. This gene and the gene encoding the colony stimulating factor 2 receptor alpha chain (CSF2RA) form a cytokine receptor gene cluster in a X-Y pseudoautosomal region on chromosomes X or Y. [provided by RefSeq]

Other Designations CD123 antigen|Interleukin-3 receptor|OTTHUMP00000022828|interleukin 3 receptor, alpha

Pathway

- [Apoptosis](#)
- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Chorioamnionitis](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Schizophrenia](#)
- [Thyroid Neoplasms](#)