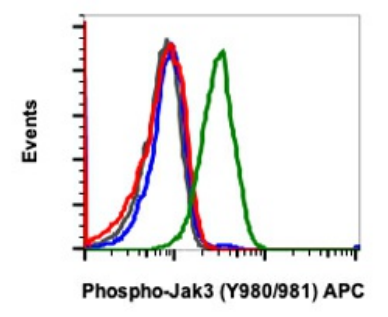
RecomAb™

JAK3 recombinant monoclonal antibody, clone JAK3Y980981-E10 (APC)

Catalog # RAB03101 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of Ramos cells untreated (red) or treated with pervanadate (green) using Phospho-Jak3 (Tyr980/981) (E10) Rabbit mAb (APC Conjugate) JAK#Y980981-E10, or concentration-matched Rabbit (G9) mAb IgG Isotype Control (APC Conjugate) for cells untreated (black) or treated with pervanadte (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human JAK3.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr980/981 of human Jak3
Reactivity	Human
Form	Liquid
Conjugation	APC
Purification	Protein A purification, Protein G purification
Isotype	IgG
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% BSA, 0.09% Sodium azide)

Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — JAK3

Entrez GeneID	3718
Protein Accession#	P52333
Gene Name	JAK3
Gene Alias	JAK-3, JAK3_HUMAN, JAKL, L-JAK, LJAK
Gene Description	Janus kinase 3 (a protein tyrosine kinase, leukocyte)
Omim ID	600173
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the Janus kinase (JAK) family of tyrosine kinas es involved in cytokine receptor-mediated intracellular signal transduction. It is predominantly expr essed in immune cells and transduces a signal in response to its activation via tyrosine phosphor ylation by interleukin receptors. Mutations in this gene are associated with autosomal SCID (sever e combined immunodeficiency disease). [provided by RefSeq
Other Designations	Janus kinase 3|leukocyte Janus kinase|tyrosine-protein kinase JAK3

Pathway

- Chemokine signaling pathway
- Jak-STAT signaling pathway
- Primary immunodeficiency

Disease

- Birth Weight
- Cardiovascular Diseases
- Diabetes Mellitus
- Disease Progression
- Edema
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Hematologic Diseases
- Hodgkin Disease
- Immunologic Deficiency Syndromes
- Kidney Failure
- Leukemia
- Leukemia-Lymphoma
- Lung Neoplasms
- Lymphoma
- Lymphopenia
- Lymphoproliferative Disorders
- Meningeal Neoplasms
- Meningioma
- Multiple Myeloma
- Myelodysplastic Syndromes
- Neovascularization

- Occupational Diseases
- Papillomavirus Infections
- Pulmonary Disease
- Severe combined immunodeficiency
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome