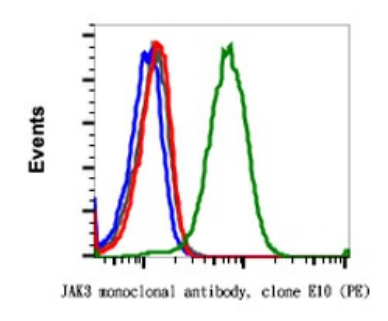
JAK3 (phospho Y980/981) monoclonal antibody, clone E10 (PE)

Catalog # MAB23419 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of Ramos cells with JAK3 (phospho Tyr980/981) monoclonal antibody, clone E10 (PE)(Cat # MAB23419). Untreated (red) or treated with pervanadate (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human JAK3.
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr980/981 of human Jak3
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	PE
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 uL/million cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% NaN_3, 0.2% BSA)
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 kinases involved in cytokine receptor-mediated intracellular signal transduction. It is predominantly expressed in immune cells and transduces a signal in response to its activation via tyrosine phosphorylation by interleukin receptors. Mutations in this gene are associated with autosomal SCID (severe 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