

JAK3 monoclonal antibody (M03), clone 2A5

Catalog # H00003718-M03

Size 50 ug

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant JAK3.
Immunogen	JAK3 (AAH28068, 1 a.a. ~ 619 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAPPSEETPLIPQRSCSLLSTEAGALHVLLPARGPGPPQRLSFSFGDHLAEDLCVQAAKASGILP VYHSLFALATEDLSCWFPPSHIFSVEDASTQVLLYRIRFYFPNWFGLEKCHRFGLRKDLASAILDL PVLEHLFAQHRSDLVSGRLPVGLSLKEQGECLSLAVLDLARMAREQAQRPGEELLKTVSYKACLP PSLRDLIQGLSFVTRRRIRRTVRRALRRVAACQADRHSLMAKYMDLERLDPAGAAETFHVGLPGA LGGHDGLGLLRVAGDGGIAWTQGEQEVLQPFCDPFEIVDISIKQAPRVGPAGEHRLVTVTRTDNQI LEAEFPGLPEALSFVALVDGYFRLTTDSQHFFCKEVAPPRLLEEVAEQCHGPITLDFAINKLKTGG SRPGSYLRRSPQDFDSFLLTVCVQNPLGPDYKGCLIRRSPTGTFLLVGLSRPHSSLRELLATCW DGGLHVDGVAVTLTSCCIPRPKEKSNLIVQRGHSPPTSSSLVQPPSQYQLSQMTFHKIPADSLEW HENLGHGSFTKIYRGCRHEVVDGEARKTEVLLKVMDAKHKNCMESFLEAASLMSQVSYRHLVLL HGVC MAGDSESPPTHPTASPKSRLFFPPLF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81); Rat (80)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — JAK3

Entrez GeneID [3718](#)

GeneBank Accession# [BC028068](#)

Protein Accession# [AAH28068](#)

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](#)