

Immunotag™ Hck Monoclonal Antibody

Antibody Specification	
Catalog No.	ITM0326
Product Description	Immunotag™ Hck Monoclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	HCK
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Mouse
Immunogen	Purified recombinant fragment of Hck expressed in E. Coli.
Specificity	Hck Monoclonal Antibody detects endogenous levels of Hck protein.
Purification	Affinity purification
Form	Ascitic fluid containing 0.03% sodium azide.
Gene Name	HCK
Accession No.	P08631 P08103
Alternate Names	HCK; Tyrosine-protein kinase HCK; Hematopoietic cell kinase; Hemopoietic cell kinase; p59-HCK/p60-HCK; p59Hck; p61Hck

Antibody Specification

Description	HCK proto-oncogene, Src family tyrosine kinase(HCK) Homo sapiens The protein encoded by this gene is a member of the Src family of tyrosine kinases. This protein is primarily hemopoietic, particularly in cells of the myeloid and B-lymphoid lineages. It may help couple the Fc receptor to the activation of the respiratory burst. In addition, it may play a role in neutrophil migration and in the degranulation of neutrophils. Multiple isoforms with different subcellular distributions are produced due to both alternative splicing and the use of alternative translation initiation codons, including a non-AUG (CUG) codon. [provided by RefSeq, Feb 2010],
Cell Pathway/ Category	Chemokine,Fc gamma R-mediated phagocytosis,
Protein Expression	B-cell,Bone marrow,Epithelium,Ileal mucosa,Lymph,Platelet,S
Subcellular Localization	nucleus,lysosome,Golgi apparatus,cytosol,cytoskeleton,actin filament,caveola,focal adhesion,transport vesicle,extrinsic component of cytoplasmic side of plasma membrane,cell projection,
Protein Function	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,domain:The SH3 domain mediates binding to HIV-1 Nef.,function:May serve as part of a signaling pathway coupling the Fc receptor to the activation of the respiratory burst. May also contribute to neutrophil migration and may regulate the degranulation process of neutrophils.,PTM:Isoform p59-HCK contains a N-myristoyl glycine at position 3 (By similarity). Isoform p59-HCK contains a S-palmitoyl cysteine at position 3.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH2 domain.,similarity:Contains 1 SH3 domain.,subunit:May interact (via SH3 domain) with HIV-1 Nef and Vif. This interaction would stimulates its tyrosine-kinase activity. Interacts (via SH3 domain) with HEV ORF3 protein.,tissue specificity:Expressed predominantly in cells of the myeloid and B-lymphoid lineages.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.