G-Biosciences Image not found or type unknown

Immunotag™ Tec Monoclonal Antibody

Antibody Specification

Catalog No.	ITM0614
Product Description	Immunotag™ Tec 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	Tec
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Mouse
Immunogen	Purified recombinant fragment of Tec expressed in E. Coli.
Specificity	Tec Monoclonal Antibody detects endogenous levels of Tec protein.
Purification	Affinity purification
Form	Ascitic fluid containing 0.03% sodium azide.
Gene Name	TEC
Accession No.	P42680 P24604
Alternate Names	TEC; PSCTK4; Tyrosine-protein kinase Tec

Antibody Specification

Description	tec protein tyrosine kinase(TEC) Homo sapiens The protein encoded by this gene belongs to the Tec family of non-receptor protein-tyrosine kinases containing a pleckstrin homology domain. Tec family kinases are involved in the intracellular signaling mechanisms of cytokine receptors, lymphocyte surface antigens, heterotrimeric G-protein coupled receptors, and integrin molecules. They are also key players in the regulation of the immune functions. Tec kinase is an integral component of T cell signaling and has a distinct role in T cell activation. This gene may be associated with myelodysplastic syndrome. [provided by RefSeq, Jul 2008],
Cell Pathway/ Category	T_Cell_Receptor,
Protein Expression	Blood,Liver,
Subcellular Localization	cytosol,cytoskeleton,extrinsic component of cytoplasmic side of plasma membrane,
Protein Function	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,caution:It is uncertain whether Met-1 is the initiator.,cofactor:Binds 1 zinc ion per subunit.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. TEC subfamily.,similarity:Contains 1 Btk-type zinc finger.,similarity:Contains 1 PH domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH2 domain.,similarity:Contains 1 SH3 domain.,subunit:Interacts with INPP5D/SHIP1 and INPPL1/SHIP2.,tissue specificity:Hematopoietic cell lines including myeloid, B-, and T-cell lineages.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.