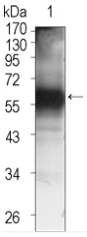
Tec Monoclonal Antibody

Catalog No	YP-Ab-14192
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	TEC
Protein Name	Tyrosine-protein kinase Tec
Immunogen	Purified recombinant fragment of Tec expressed in E. Coli.
Specificity	Tec Monoclonal Antibody detects endogenous levels of Tec protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TEC; PSCTK4; Tyrosine-protein kinase Tec
Observed Band	
Cell Pathway	Cytoplasm. Cell membrane; Peripheral membrane protein. Cytoplasm, cytoskeleton. Following B-cell or T-cell receptors activation by antigen, translocates to the plasma membrane through its PH domain. Thrombin and integrin engagement induces translocation of TEC to the cytoskeleton during platelet activation. In cardiac myocytes, assumes a diffuse intracellular localization under basal conditions but is recruited to striated structures upon various stimuli, including ATP (By similarity). .
Tissue Specificity	Expressed in a wide range of cells, including hematopoietic cell lines like myeloid, B-, and T-cell lineages.
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.,
Background	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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using Tec Monoclonal Antibody against TEC (aa90-240)-hIgGFc transfected HEK293 cell lysate (1).