

**Blk Monoclonal Antibody**

<b>Catalog No :</b>	YM0067
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;IF;FCM;ELISA
<b>Target :</b>	BLK
<b>Gene Name :</b>	BLK
<b>Protein Name :</b>	Tyrosine-protein kinase Blk
<b>Human Gene Id :</b>	640
<b>Human Swiss Prot No :</b>	P51451
<b>Mouse Swiss Prot No :</b>	P16277
<b>Immunogen :</b>	Purified recombinant fragment of human Blk expressed in E. Coli.
<b>Specificity :</b>	Blk Monoclonal Antibody detects endogenous levels of Blk protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. IF 1:200 - 1:1000. Flow cytometry: 1:200 - 1:400. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	58kD
<b>P References :</b>	1. N Engl J Med. 2008 Feb 28;358(9):900-9. 2. Genes Immun. 2009 Apr;10(3):219-26. 3. Proc Natl Acad Sci U S A. 2009 Aug 25;106(34):14460-5.

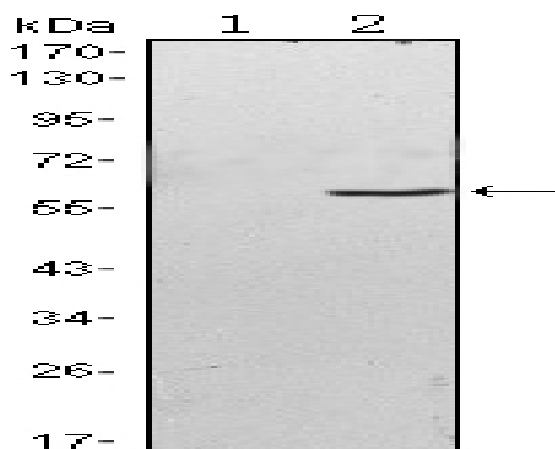
**Background :** This gene encodes a nonreceptor tyrosine-kinase of the src family of proto-oncogenes that are typically involved in cell proliferation and differentiation. The protein has a role in B-cell receptor signaling and B-cell development. The protein also stimulates insulin synthesis and secretion in response to glucose and enhances the expression of several pancreatic beta-cell transcription factors. [provided by RefSeq, Aug 2010],

**Function :** catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:May function in a signal transduction pathway that is restricted to B-lymphoid cells.,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.,

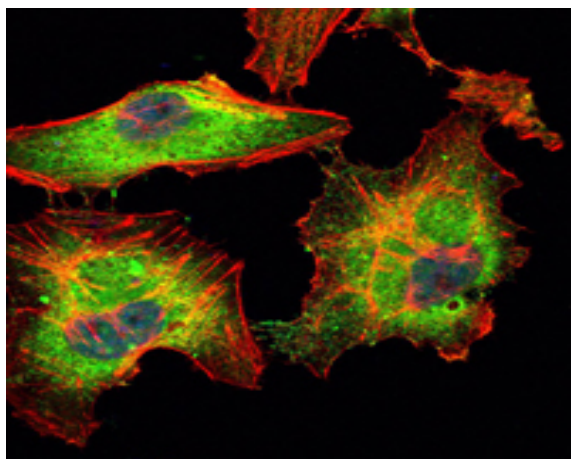
**Subcellular Location :** Cell membrane ; Lipid-anchor . Present and active in lipid rafts. Membrane location is required for the phosphorylation of CD79A and CD79B (By similarity). .

**Expression :** Expressed in lymphatic organs, pancreatic islets, Leydig cells, striate ducts of salivary glands and hair follicles.

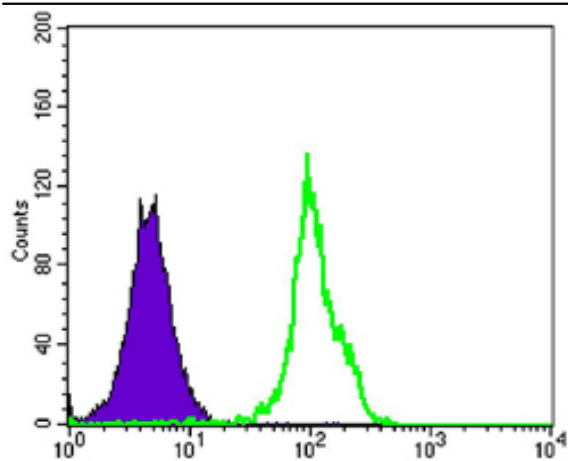
## Products Images



Western Blot analysis using Blk Monoclonal Antibody against HEK293 (1) and BLK-hlgFc transfected HEK293 (2) cell lysate.



Immunofluorescence analysis of HeLa cells using Blk Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HL-60 cells using Blk Monoclonal Antibody (green) and negative control (purple).