

Product: BLK, active
Catalog #: 02-2005
Amount: 5 µg

DESCRIPTION: BLK, also known as B lymphoid kinase, is a 55 kd tyrosine kinases with a SH3, SH2 and catalytic domains that contain consensus sequences of the src protein tyrosine kinase family. BLK is expressed specifically in the B cell lineage and plays a role in signal transduction pathway that is restricted to B lymphoid cells (1). Stimulation of resting B-lymphocytes with antibodies to surface immunoglobulin (sIgD or sIgM) induces activation of BLK (2)
The gene accession number is [BC007371](#)
Gene Aliases: MGC10442

SOURCE: Recombinant full-length human BLK was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.

MOLECULAR WEIGHT: 84 kDa

PURITY: > 90% (by densitometry)

FORM: Purified, in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol

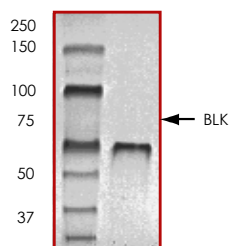
CONCENTRATION: 0.1 mg/ml

SPECIFIC ACTIVITY: 112 nmol/mim/mg

STORAGE: -70°C (aliquot). AVOID repeated Freeze/thaw cycles

REFERENCE:

1. Dymecki, SM. et al: Specific expression of a tyrosine kinase gene, blk, in B lymphoid cells. Science. 1990 Jan 19;247(4940):332-6
2. Burkhardt, AL. et al: Anti-immunoglobulin stimulation of B lymphocytes activates src-related protein-tyrosine kinases. Proc Natl Acad Sci U S A. 1991 Aug 15;88(16):7410-4



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