

## Product datasheet for **AM06549SU-N**

### BLK Mouse Monoclonal Antibody [Clone ID: 1E6]

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | 1E6   |
| Applications:           | ELISA, FC, IF, WB   |
| Recommended Dilution:   | <b>ELISA:</b> 1/10000.<br><b>Western Blot:</b> 1/500 - 1/2000.<br><b>Immunofluorescence:</b> 1/200 - 1/1000.<br><b>Flow Cytometry:</b> 1/200 - 1/400. |
| Reactivity:             | Human   |
| Host:                   | Mouse   |
| Isotype:                | IgG1  |
| Clonality:              | Monoclonal  |
| Immunogen:              | Purified recombinant fragment of Human BLK expressed in E. Coli.  |
| Specificity:            | Recognizes BLK  |
| Formulation:            | State: Ascites<br>State: Ascitic fluid containing 0.03% Sodium Azide.   |
| Conjugation:            | Unconjugated  |
| Storage:                | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.                     |
| Stability:              | Shelf life: one year from despatch.   |
| Predicted Protein Size: | 58 kDa  |
| Gene Name:              | BLK proto-oncogene, Src family tyrosine kinase  |
| Database Link:          | <a href="#">Entrez Gene 640 Human P51451</a>  |



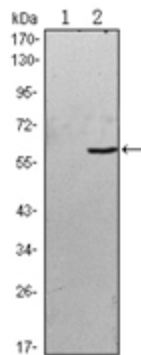
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**Background:**

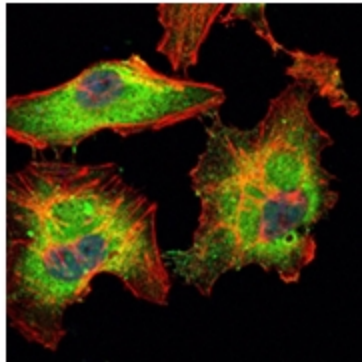
Blk is a Src family protein tyrosine kinase expressed in all stages of B cell development . Activation of B cells by various ligands is accompanied by activation of Blk . It has been suggested that Blk is involved in the control of B cell differentiation and proliferation . Blk transcripts have also been detected in human thymocytes, but not in mature T cells, implicating that Blk may play an important role in thymopoiesis . Blk function may be redundant, however, as mice that do not express Blk are not impaired with respect to B cell development and immune response .

**Synonyms:**

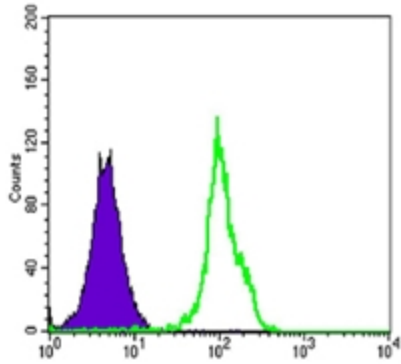
B lymphocyte kinase, p55-BLK, p55BLK

**Product images:**

Western blot analysis using BLK antibody Cat.-No AM06549SU-N against HEK293 (1) and BLK (AA: 2-200)-hlgGfc transfected HEK293 (2) cell lysate.



Immunofluorescence analysis of HeLa cells using BLK antibody Cat.-No AM06549SU-N (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled



Flow cytometric analysis of HL-60 cells using BLK antibody Cat.-No AM06549SU-N (green) and negative control (purple).