

## Mouse Monoclonal Antibody to BLK

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|--------------------------------|--|
| <b>Catalogue Number</b>        | sAP-0066   |
| <b>Target Molecule</b>         | <b>Name:</b> BLK<br><b>Aliases:</b> MGC10442<br><b>MW:</b> N/A<br><b>Entrez Gene ID:</b> 640   |
| <b>Description</b>             | BLK ( B lymphoid tyrosine kinase), with 505-amino acid protein (about 56KDa), belongs to the Src non-receptor tyrosine kinases family. Different subcellular localizations of Src-family kinases may be important for the regulation of specific cellular processes such as mitogenesis, cytoskeletal organization, and membrane trafficking. Blk is expressed exclusively by B lymphocytes and it is thought to function in a signal transductive pathway specific to this lineage. B lymphoid expression of an active Blk mutant caused proliferation of B progenitor cells and enhanced responsiveness of these cells to interleukin 7. Thus, sustained activation of Blk induces responses normally associated with the pre-BCR. |
| <b>Immunogen</b>               | Purified recombinant fragment of BLK expressed in E. Coli.   |
| <b>Reactive Species</b>        | Human  |
| <b>Clone</b>                   | MM9D10D1;  |
| <b>Size and Concentration</b>  | 100µg/1mg/ml   |
| <b>Supplied as</b>             | Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.  |
| <b>Reconstitution/Storages</b> | Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage   |
| <b>Applications</b>            | ELISA: 1 to 10000; IHC: 1 to 200 - 1 to 1000   |
| <b>Shipping</b>                | Regular FEDEX overnight shipment (ambient temperature)   |
| <b>Reference</b>               | 1. Theresa Tretter, Ashley E. Ross, Dominic I. Dordai. J. Exp. Med., Dec 2003; 198: 1863. ;  |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**