

Ly-6K Monoclonal Antibody (B33fc8k), PE, eBioscience™

| Product Details | |
|-----------------------------|---|
| Size | 100 µg |
| Species Reactivity | Mouse |
| Host/Isotype | Rat / IgG2a, kappa |
| Recommended Isotype Control | Rat IgG2a kappa Isotype Control (eBR2a), PE, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | B33fc8k |
| Conjugate | PE |
| Excitation/Emission Max | 565/576 nm |
| Form | Liquid |
| Concentration | 0.2 mg/mL |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2 |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_11149356 |

| Applications | Tested Dilution | Publications |
|-----------------------|-----------------|--------------|
| Flow Cytometry (Flow) | 1 µg/test | - |

Product Specific Information

Description: This B33fc8k monoclonal antibody reacts with mouse Ly-6k, a member of the Ly6/uPAR superfamily. Ly-6k is a GPI linked protein predominantly found on the cell surface. One study suggests expression may also be non-membranous. Expression is found on B cells and reported to be on plasma cells as well as cells in the testis. Using the B33fc8k monoclonal antibody, expression is on a B lymphocyte cell subset in the spleen that correlates to transitional cells (CD23-IgM-). In humans Ly-6k has been found associated with carcinomas of the head and testis.

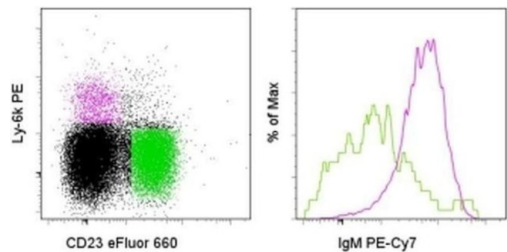
Applications Reported: This B33fc8k antibody has been reported for use in flow cytometric analysis.

Applications Tested: This B33fc8k antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For Ly-6K Monoclonal Antibody (B33fc8k), PE, eBioscience™



Ly-6K Antibody (12-5929-82) in Flow

Staining of C57Bl/6 splenocytes with Anti-Mouse CD23 eFluor® 660 (Product # 50-0232-82), Anti-Mouse IgM PE-Cy7 (Product # 25-5790-82) and 0.5 µg of Anti-Mouse Ly-6K PE. Staining of Ly-6K (green) and CD23 (purple) is subgated to show expression levels of IgM (right).

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