

Monoclonal Antibody to MHC Class I H-2 Kk - FITC

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| Alternate names: | H-2 class I histocompatibility antigen, H-2K(K), H2-K, H2-K1, K-K alpha chain |
| Catalog No.: | AM08085FC-N |
| Quantity: | 0.5 mg |
| Concentration: | 0.5 mg/ml |
| Background: | MHC Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. MHC class I antigens are heterodimers consisting of one alpha chain (44kDa) with beta2- microglobulin (11.5 kDa). The antigen is expressed by all somatic cells at varying levels. Lymphocytes are highly positive whereas fibroblasts or neurons show only a low level of antigen. |
| Uniprot ID: | P04223 |
| NCBI: | 10090 |
| Host / Isotype: | Mouse / IgG2a |
| Clone: | 16-3-22S |
| Immunogen: | C3H.SW mouse splenocytes. |
| Format: | State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1 |
| Applications: | Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.1) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody reacts with the H-2Kk MHC class I alloantigen. Cross-reactivity with splenocytes of SJL/Hsd mice has been observed by flow cytometric analysis. (Ref.2) It does not react with other (<i>e.g., b, d, q</i>) haplotypes. Species: Mouse. Other species not tested. |
| Storage: | Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |
| General Readings: | 1. Sachs, D.H. Personal communication 2. Southern Biotechnology Associates, Inc. Unpublished observations. |