

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

<b>Alternate names:</b>	H-2 class I histocompatibility antigen, H-2K(K), H2-K, H2-K1, K-K alpha chain
<b>Catalog No.:</b>	AM08086FC-N
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">P04223</a>
<b>NCBI:</b>	<a href="#">10090</a>
<b>Host / Isotype:</b>	Mouse / IgG2a
<b>Clone:</b>	36-7-5
<b>Immunogen:</b>	A.AL mouse splenocytes.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> < / = 1 µg/10e6 cells. (Ref.1) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	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. <b>Species:</b> Mouse. Other species not tested.
<b>Storage:</b>	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.
<b>General Readings:</b>	1. Sachs, D.H. Personal communication 2. Southern Biotechnology Associates, Inc. Unpublished observations.