



Anti-H2-K1 monoclonal antibody, clone AF6-88.5 [FITC] (CABT-54669MM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Mouse anti Mouse MHC Class I H-2Kb antibody, clone AF6-88.5 recognizes the H-2Kb determinant present on all nucleated cells of mice expressing this MHC class I haplotype. The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In mice, this complex is referred to as the histocompatibility 2 (H-2) region. There are 3 major MHC class I proteins encoded by the H-2 which are H-2K, H-2L and H-2D. The H- 2K gene is part of the murine H-2 complex on chromosome 17 and there are a large number of variant alleles of this gene. Mouse anti Mouse MHC Class I H-2Kb antibody, clone AF6-88.5 does not cross react with other haplotypes. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.

Specificity	MHC CLASS I H-2Kb
Immunogen	C57BL mouse splenocytes
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Mouse
Clone	AF6-88.5
Conjugate	FITC
Applications	FC
Format	Purified IgG conjugated to fluorescein isothiocyanate (FITC) - liquid.
Size	100 µg
Preservative	0.09% Sodium Azide

Storage	in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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GENE INFORMATION

Gene Name	H2-K1 histocompatibility 2, K1, K region [Mus musculus (house mouse)]
Official Symbol	H2-K1
Synonyms	H2-K1; histocompatibility 2, K1, K region; K-f; H-2K; H2-K; H-2K(d); H-2 class I histocompatibility antigen, K-W28 alpha chain; H-2 class I histocompatibility antigen, K-B alpha chain; H-2 class I histocompatibility antigen, K-D alpha chain; H-2 class I h
Entrez Gene ID	14972
Protein Refseq	NP_001001892
UniProt ID	P01901
Chromosome Location	17 B1; 17 17.98 cM
Pathway	Adaptive Immune System; Allograft rejection; Antigen Presentation: Folding, assembly and peptide loading of class I MHC; Antigen processing and presentation; Antigen processing-Cross presentation; Autoimmune thyroid disease; Cell adhesion molecules (CAMs); Class I MHC mediated antigen processing & presentation;
Function	T cell receptor binding; TAP binding; beta-2-microglobulin binding; peptide antigen binding; peptide binding; poly(A) RNA binding; protein binding; protein heterodimerization activity; receptor binding;