



Anti-H2-K1 monoclonal antibody, clone AF6-88.5 (CABT-54670MM)

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	Unconjugated
Applications	IHC-Fr; FC; IP
Format	Purified IgG - liquid
Size	250 µg
Preservative	0.09% Sodium Azide

Storage	in frost-free freezers is not recommended. This product should be stored undiluted. 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;