Datasheet: MCA4731F

Description:	MOUSE ANTI MOUSE MHC CLASS I H-2Kb:FITC
Specificity:	MHC CLASS I H-2Kb
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	AF6-88.5
Isotype:	IgG2a
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/10 - 1/20

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species

Mouse

Product Form

Purified IgG conjugated to fluorescein isothiocyanate (FITC) - liquid.

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
FITC	490	525

Preparation

Purified IgG prepared by affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

<0.1% Sodium Azide (NaN_3)

Approx. Protein Concentrations

IgG concentration 0.5mg/ml

Immunogen

C57BL mouse splenocytes.

External Database Links	**UniProt:** P01901 Related reagents **Entrez Gene:** 14972 H2-K1 Related reagents
Synonyms	H2-K
RRID	AB_1605302
Specificity	**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 10^6 cells in 100ul.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA4731F 10040
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

MOUSE SEROBLOCK FcR (BUF041A)
MOUSE SEROBLOCK FcR (BUF041B)

North & South America Tel: +1 800 265 7376 Fax: +1 919 878 3751
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Europe Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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