

MHC Class II (I-A/I-E) Monoclonal Antibody (M5/114.15.2), eFluor 506, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), eFluor 506, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M5/114.15.2
Conjugate	eFluor® 506
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2784892

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	15 Publications
Immunoprecipitation (IP)	-	1 Publication

Product Specific Information

Description: The M5/114.15.2 monoclonal antibody reacts with the mouse major histocompatibility complex class II, both I-A and I-E subregion-encoded glycoproteins (I-A b, I-A d, I-A q, I-E d, I-E k, not I-A f, I-A k, or I-A s). It detects a polymorphic determinant present on B cells, monocytes, macrophages, dendritic cells, and activated T lymphocytes from mice carrying the H-2 b, H-2 d, H-2 q, H-2 p, H-2 r and H-2 u but not from mice carrying the H-2 s or H-2 f haplotypes. The M5/114 mAb is reported to inhibit I-A-restricted T cell responses of the H-2 b, H-2 d, H-2 q, H-2 u but not H-2 f, H-2 k, or H-2 s haplotypes.

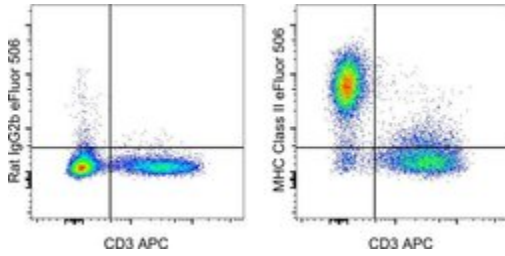
Applications Reported: This M5/ 114.15.2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This M5/ 114.15.2 antibody has been tested by flow cytometric analysis of mouse splenocytes. This may be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor 506 can be excited with the violet laser line (405 nm) and emits at 506 nm. We recommend using a 510/20 band pass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 405 nm; **Emission:** 506 nm; **Laser:** Violet Laser

Product Images For MHC Class II (I-A/I-E) Monoclonal Antibody (M5/114.15.2), eFluor 506, eBioscience™



MHC Class II (I-A/I-E) Antibody (69-5321-82) in Flow

C57BL/6 mouse splenocytes were stained with CD3 Monoclonal Antibody, APC (Product # 17-0031-82) and 0.06 µg of Rat IgG2b kappa Isotype Control, eFluor 506 (Product # 69-4031-82) (left) or 0.06 µg of MHC Class II (I-A/I-E) Monoclonal Antibody, eFluor 506 (right). Cells in the lymphocyte gate were used for analysis.

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16 References

Flow Cytometry (15)

International journal of biological sciences

MiR-103 protects from recurrent spontaneous abortion via inhibiting STAT1 mediated M1 macrophage polarization.

"Published figure using MHC Class II (I-A/I-E) monoclonal antibody (Product # 69-5321-82) in Flow Cytometry"

Authors: Zhu X,Liu H,Zhang Z,Wei R,Zhou X,Wang Z,Zhao L,Guo Q,Zhang Y,Chu C,Wang L,Li X

Species
Not Applicable

Dilution
Not Cited

Year
2021

Frontiers in immunology

Dietary Glucose Consumption Promotes RALDH Activity in Small Intestinal CD103⁺CD11b⁺ Dendritic Cells.

"Published figure using MHC Class II (I-A/I-E) monoclonal antibody (Product # 69-5321-82) in Flow Cytometry"

Authors: Ko HJ,Hong SW,Verma R,Jung J,Lee M,Kim N,Kim D,Surh CD,Kim KS,Rudra D,Im SH

Species
Not Applicable

Dilution
Not Cited

Year
2021

[View more Flow references on thermofisher.com](#)

Immunoprecipitation (1)

Frontiers in cellular and infection microbiology

RON Expression Mediates Lipopolysaccharide-Mediated Dendritic Cell Maturation *via* March-1.

"Published figure using MHC Class II (I-A/I-E) monoclonal antibody (Product # 69-5321-82) in Immunoprecipitation"

Authors: Huang L,Fang X,Zhang X,Wu W,Yao H,Fang Q

Species
Not Applicable

Dilution
Not Cited

Year
2021

More applications with references on thermofisher.com

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