

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotope	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M5/114.15.2
Conjugate	FITC
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_465232

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	119 Publications
ELISA (ELISA)	-	1 Publication
Immunocytochemistry (ICC)	-	1 Publication
Immunofluorescence (IF)	-	15 Publications
Immunohistochemistry (IHC)	-	10 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunoprecipitation (IP)	-	1 Publication
In vitro Assay (IV)	-	1 Publication
Miscellaneous PubMed (Misc)	-	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.

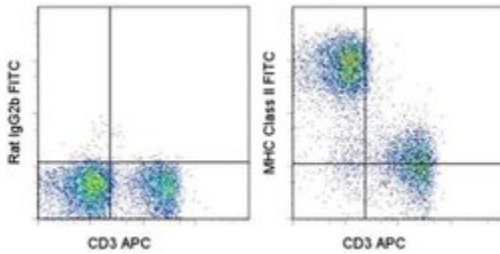
Applications Reported: M5/114.15.2 has been reported for use in flow cytometric analysis.

Applications Tested: The M5/114.15.2 antibody has been tested by flow cytometric analysis of mouse splenocytes and can 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.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



MHC Class II (I-A/I-E) Antibody (11-5321-82) in Flow

Staining of C57BL/6 splenocytes with Anti-Mouse CD3e APC (Product # 17-0031-82) and 0.06 µg of Rat IgG2b K Isotype Control FITC (Product # 11-4031-82) (left) or 0.06 µg of Anti-Mouse MHC Class II (I-A/I-E) FITC (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Flow Cytometry (119)

Frontiers in immunology

Prolonged Deleterious Influences of Chemotherapeutic Agent CPT-11 on Resident Peritoneal Macrophages and B1 Cells.

"Published figure using MHC Class II (I-A/I-E) monoclonal antibody (Product # 11-5321-82) in Flow Cytometry"

Authors: Bai WJ,Li CG,Zhang CC,Xu LH,Zeng QZ,Hu B,Hong Z,He XH,Ouyang DY

Species
Not Applicable

Dilution
Not Cited

Year
2019

American journal of translational research

Thiol peroxiredoxin, a novel allergen from *Bombyx mori*, modulates functions of macrophages and dendritic cells.

"Published figure using MHC Class II (I-A/I-E) monoclonal antibody (Product # 11-5321-82) in Flow Cytometry"

Authors: Wang H,Hu W,Liang Z,Zeng L,Li J,Yan H,Yang P,Liu Z,Wang L

Species
Mouse
Not Applicable

Dilution
Not Cited
Not Cited

Year
2019

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

Immunofluorescence (15)

Frontiers in aging neuroscience

Age Influences Microglial Activation After Cuprizone-Induced Demyelination.

"Published figure using MHC Class II (I-A/I-E) monoclonal antibody (Product # 11-5321-82) in Immunofluorescence"

Authors: Klein B,Mrowetz H,Barker CM,Lange S,Rivera FJ,Aigner L

Species
Not Applicable

Dilution
Not Cited

Year
2019

Frontiers in immunology

MicroRNA-21: A Positive Regulator for Optimal Production of Type I and Type III Interferon by Plasmacytoid Dendritic Cells.

"11-5321 was used in Immunocytochemistry to elucidate the role of miR-21 as an essential positive regulator for the production of both IFN- and IFN- by plasmacytoid dendritic cells and for promoting host defense against viral infection."

Authors: Liu F,Liu C,Hu X,Shang Y,Wu L

Species
Mouse

Dilution
Not Cited

Year
2019

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

More applications with references on thermofisher.com

IHC (10) ICC (1) ELISA (1) IHC (P) (1) IP (1) Misc (1) IV (1)

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