

# MHC Class II I-Ab Monoclonal Antibody (AF6-120.1), APC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	AF6-120.1
Conjugate	APC
Excitation/Emission Max	651/660 nm
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_2573212

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	13 Publications

## Product Specific Information

**Description:** This AF6-120.1 monoclonal antibody reacts with the mouse MHC Class II I-Ab alloantigen of H-2b bearing mouse strains, including C57Bl/6 and 129. This cell surface molecule is involved in antigen presentation to T cells expressing CD3 /TCR and CD4.

The AF6-120.1 antibody crossreacts with H-2k and H-2u haplotypes. However, reactivity to other haplotypes (i.e., d, f, g7, p, q, r, and s) has not been observed.

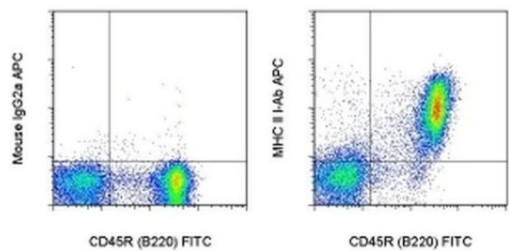
**Applications Reported:** This AF6-120.1 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This AF6-120.1 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.25 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Excitation:** 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.

Product Images For MHC Class II I-Ab Monoclonal Antibody (AF6-120.1), APC, eBioscience™



**MHC Class II I-Ab Antibody (17-5320-82) in Flow**  
Staining of C57Bl/6 splenocytes with Anti-Human/Mouse CD45R (B220) FITC (Product # 11-0452-82) and 0.125 µg of Mouse IgG2a K Isotype Control APC (Product # 17-4724-81) (left) or 0.125 µg of Anti-Mouse MHC Class II I-Ab APC (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

13 References

Flow Cytometry (13)

<p><b>Inflammation research : official journal of the European Histamine Research Society ... [et al.]</b></p> <p><b>TCR repertoire landscape reveals macrophage-mediated clone deletion in endotoxin tolerance.</b></p> <p>"17-5320-82 was used in Flow cytometry/Cell sorting to suggest that the clone selection in thymus in Endotoxin tolerance may confer protection against microbial sepsis."</p> <p>Authors: Zhao J,Jia L,Tao Y,Zhao X,Yang J,Lu Y,Yan Y,Mao L,Hu L,Lu J,Guo M,Chen C,Zhou Y,Wen Z,He Z,Xu L</p>	<p><b>Year</b> 2023</p> <p><b>Species</b> Mouse</p>
<p><b>Aging and disease</b></p> <p><b>CD4<sup>+</sup> CTLs Act as a Key Effector Population for Allograft Rejection of MSCs in a Donor MHC-II Dependent Manner in Injured Liver.</b></p> <p>"17-5320-82 was used in Flow cytometry/Cell sorting to reveal a novel mechanism of MSC allograft rejection mediated by CD4<sup>+</sup> CTLs in injured liver, which provided new strategies for improving clinical performance of allo-MSCs in benefiting hepatic injury repair."</p> <p>Authors: Shen S,Li Y,Jin M,Fan D,Pan R,Lin A,Chen Y,Xiang L,Zhao RC,Shao J</p>	<p><b>Year</b> 2022</p> <p><b>Species</b> Mouse</p>

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

More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.