MHC Class II I-Ab Monoclonal Antibody (AF6-120.1), PerCP-eFluor™ 710, 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), PerCP-eFluor™ 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	AF6-120.1
Conjugate	PerCP-eFluor™ 710
Excitation/Emission Max	482/708 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_10698173

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	8 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 C57Bl/6 splenocytes. This can be used at less than or equal to 0.5 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

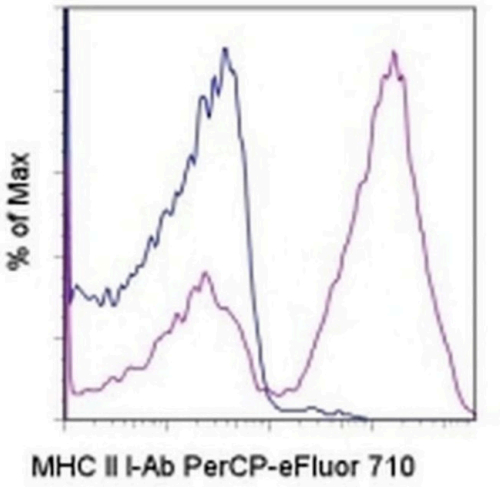
PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Excitation: 488 nm; Emission: 710 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For MHC Class II I-Ab Monoclonal Antibody (AF6-120.1), PerCP-eFluor™ 710, eBioscience™



MHC Class II I-Ab Antibody (46-5320-82) in Flow
Staining of C57Bl/6 splenocytes with 0.25 µg of Mouse IgG2a kappa Isotype Control PerCP-eFluor® 710 (Product # 46-4724-82) (blue histogram) or 0.25 µg of Anti-Mouse MHC Class II I-Ab PerCP-eFluor® 710 (purple histogram). Cells in the lymphocyte gate were used for analysis.

View more figures on thermofisher.cn

8 References

Flow Cytometry (8)

Wellcome open research

Activation of regulatory T cells triggers specific changes in glycosylation associated with Siglec-1-dependent inflammatory responses.

"Published figure using MHC Class II I-Ab monoclonal antibody (Product # 46-5320-82) in Flow Cytometry"

Authors: Wu G,Murugesan G,Nagala M,McCraw A,Haslam SM,Dell A,Crocker PR

Year
2022

Acta neuropathologica communications

Gut microbial dysbiosis after traumatic brain injury modulates the immune response and impairs neurogenesis.

"Published figure using MHC Class II I-Ab monoclonal antibody (Product # 46-5320-82) in Flow Cytometry"

Authors: Celorrio M,Abellanas MA,Rhodes J,Goodwin V,Moritz J,Vadivelu S,Wang L,Rodgers R,Xiao S,Anabayan I, Payne C,Perry AM,Baldridge MT,Aymerich MS,Steed A,Friess SH

Year
2021

Species
Mouse

Dilution
1:200

View more Flow references on thermofisher.cn

More applications with references on thermofisher.cn

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