

# 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<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.

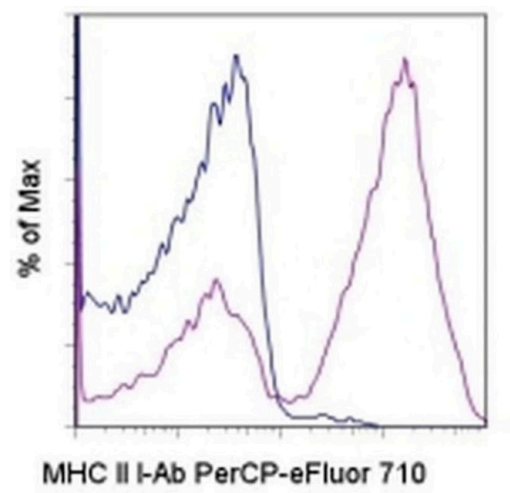
PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic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

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8 References

Flow Cytometry (8)

<p>Wellcome open research</p> <p><b>Activation of regulatory T cells triggers specific changes in glycosylation associated with Siglec-1-dependent inflammatory responses.</b></p> <p>"Published figure using MHC Class II I-Ab monoclonal antibody (Product # 46-5320-82) in Flow Cytometry"</p> <p>Authors: Wu G,Murugesan G,Nagala M,McCraw A,Haslam SM,Dell A,Crocker PR</p>	<p>Year 2022</p>
<p>Acta neuropathologica communications</p> <p><b>Gut microbial dysbiosis after traumatic brain injury modulates the immune response and impairs neurogenesis.</b></p> <p>"Published figure using MHC Class II I-Ab monoclonal antibody (Product # 46-5320-82) in Flow Cytometry"</p> <p>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,Baldrige MT,Aymerich MS,Steed A,Friess SH</p>	<p>Year 2021</p> <p>Species Mouse</p> <p>Dilution 1:200</p>

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