

MHC Class II Monoclonal Antibody (HIS19), eBioscience™

Product Details

Size	100 µg
Species Reactivity	Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	HIS19
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_467384

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Flow Cytometry (Flow)	0.5 µg/test	1 Publication
Immunoprecipitation (IP)	Assay-Dependent	-

Product Specific Information

Description: The HIS19 monoclonal antibody reacts with a polymorphic epitope of the rat MHC class II molecule, RT1B. This antibody reacts with all rat haplotypes except the RT1n (including BN and MAXX strains). The rat MHC class II (I-A equivalent), RT1B, is expressed by antigen presenting cells including B cells, dendritic cells and macrophages.

Applications Reported: The HIS19 antibody has been reported for use in flow cytometric analysis, immunoprecipitation, and immunohistochemical staining of frozen tissue sections.

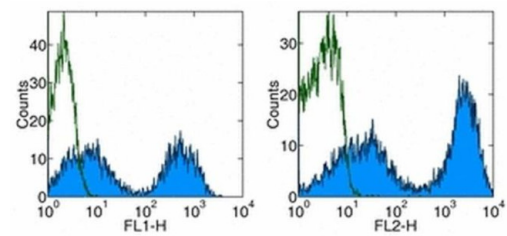
Applications Tested: The HIS19 antibody has been tested by flow cytometric analysis of rat spleen or lymph node cells. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For MHC Class II Monoclonal Antibody (HIS19), eBioscience™



MHC Class II Antibody (14-0920-82) in Flow
Surface staining of rat splenocytes with Anti-Rat MHC Class II FITC (left) and PE (right). Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

1 Reference

Flow Cytometry (1)

PloS one	Year 2014
Quiescent hepatic stellate cells functionally contribute to the hepatic innate immune response via TLR3.	
"Published figure using MHC Class II monoclonal antibody (Product # 14-0920-82) in Flow Cytometry"	
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