

Rabbit Anti-HLA-DP/DQ/DR (MHC II) [MD345R]: RM0062

Intended Use: For Research Use Only

Description: Reacts with a common epitope of human major histocompatibility (MHC) class II antigens, HLA-DP, -DQ and -DR. Human MHC class II antigens are transmembrane glycoproteins composed of an alpha chain (36kDa) and a beta chain (27kDa). They are expressed primarily on antigen presenting cells such as B lymphocytes, monocytes, macrophages, and thymic epithelial cells and are also present on activated T lymphocytes. Human MHC class II genes are located in the HLA-D region that encodes at least six alpha and ten beta chain genes. Three loci, DR, DQ and DP, encode the major expressed products of the human class II region. The human MHC class II molecules bind intracellularly processed peptides and present them to T-helper cells. They, therefore, have a critical role in the initiation of the immune response.

Specifications

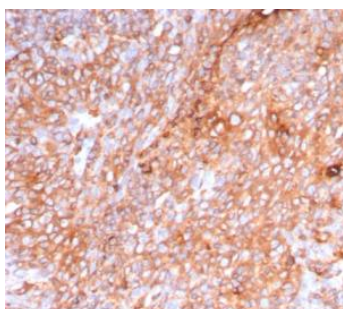
Clone:	MD345R
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human, mouse, rat, guinea pig, hamster
Immunogen:	Priess human B cell line
Localization:	Membrane
Formulation:	Purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN ₃)
Storage:	Store at 2°- 8°C
Applications:	IHC, WB
Package:	

Description	Catalog No.	Size
HLA-DP/DQ/DR (MHC II) [MD345R] Concentrated	RM0062	1 ml

IHC Procedure*

Positive Control Tissue:	Tonsil, lymph node, intestine, lung
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-HLA-DP/DQ/DR using DAB

References

1. Low expression of HLA-DRA, HLA-DPA1, and HLA-DPB1 is associated with poor prognosis in pediatric adrenocortical tumors (ACT). Leite FA, et al. *Pediatr Blood Cancer*. Nov;61(11):1940-8, 2014.
2. Supplementary characteristics of anti-MHC class II monoclonal antibodies elicited by an ALL cell line: immunofluorescence cytofluorometry, C-dependent cytotoxicity, two-dimensional analysis of antigen. Chorvath B et al. *Neoplasma*, 34(4):417-425, 1987.
3. Characterization of a new murine monoclonal antibody against human DP antigens. Horejsi V et al. *Tissue Antigens*, 32(1):6-11, 1988.
4. Monoclonal antibodies against MHC class II antigens elicited with a human non-T, non-B acute lymphoblastic leukemia cell line. Polakova K et al. *Neoplasma*, 32(6):641-8, 1985.

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