

Mouse Anti-HLA-DP (MHC II) [DP 11.1]: MC0055

Intended Use: For Research Use Only

Description: Recognizes a non-polymorphic determinant of DP-MHC class II. MHC class II antigens are transmembrane glycoproteins of non-covalently linked α (33-35kDa) and β (27-30kDa) chains. It reportedly reacts with B- & non-T, non-B cell lines but not with T- and myeloid cell lines and leukemias. Differential expression of MHC class II antigens on fetal and adult lymphocytes, malignant B cells appears to reflect the stage of cell differentiation which may be useful in the study of lymphoproliferative disorders.

Specifications

Clone: DP 11.1
 Source: Mouse
 Isotype: IgG2a/k
 Reactivity: Human
 Immunogen: Human HLA-DP
 Localization: Membrane
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, Flow Cyt., ICC/IF, IP, WB
 Package:

Description	Catalog No.	Size
HLA-DP (MHC II) [DP 11.1] Concentrated	MC0055	1 ml

IHC Procedure*

Positive Control Tissue: Tonsil, lymph node
 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.

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. The HLA-DP2 protein binds the immunodominant epitope from myelin basic protein, MBP85-99, with high affinity. Hansen BE, et al. *Tissue Antigens*. Mar;77(3):229-34, 2011.
3. MHC class II+ (HLA-DP-like) cells in the cow reproductive tract: II. Immunolocalization of MHC class II+ cells in oviduct and vagina. Eren U, et al. *Anat Histol Embryol*. Aug;38(4):286-91, 2009.
4. Studies on the distribution of the antigens detected by some newly prepared monoclonal antibodies in normal hemopoietic and leukemic cells. Babusikova O; et al. *Neoplasma*, 32(6):657-62, 1985.
5. 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.