

HLA-DPA1 monoclonal antibody

Catalog: MB23446

Host: Mouse

Reactivity: Human

BackGround:

HLA-DPA1 belongs to the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DPA) and a beta (DPB) chain, both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The alpha chain is approximately 33-35 kDa and its gene contains 5 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and the cytoplasmic tail. Within the DP molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to 4 different molecules.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

29.3kDa

Swiss-Prot:

P20036

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

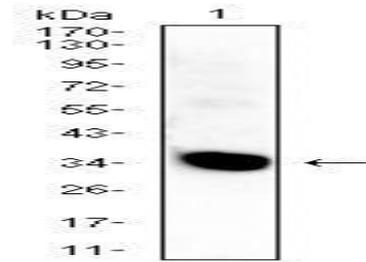
WB:1/500 - 1/2000 IHC:1/200 - 1/1000 FC:1/200 - 1/400

Storage&Stability:

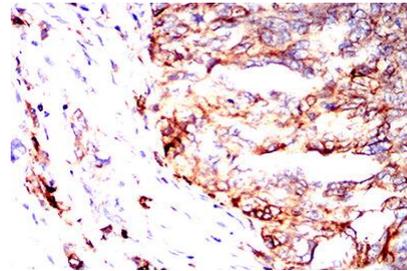
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Isotype:

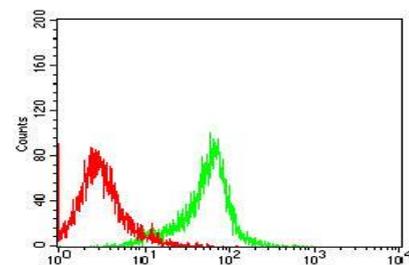
Mouse IgG2a

DATA:

Western blot analysis using HLA-DPA1 mouse mAb against Raji(1) cell lysate.



Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues using HLA-DPA1 mouse mAb with DAB staining.



Flow cytometric analysis of Jurkat cells using HLA-DPA1 mouse mAb (green) and negative control (red).

Note:

For research use only, not for use in diagnostic procedure.

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