

## HLA-DPB1 monoclonal antibody

Catalog: MB23457

Host: Mouse

Reactivity: Human, Rat

### Background:

HLA-DPB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DPA) and a beta chain (DPB), 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 beta chain is approximately 26-28 kDa and its gene contains 6 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and exon 5 encodes 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:

29.2kDa

### Swiss-Prot:

P04440

### 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:

IHC:1/200 - 1/1000 FC:1/200 - 1/400

### Storage&Stability:

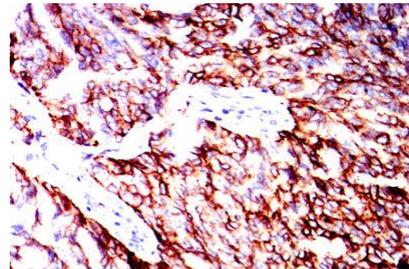
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

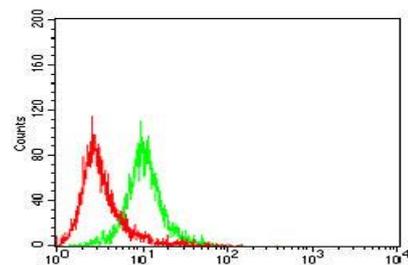
### Isotype:

Mouse IgG1

### DATA:



Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues using HLA-DPB1 mouse mAb with DAB staining.



Flow cytometric analysis of RAJI cells using HLA-DPB1 mouse mAb (green) and negative control (red).

### Note:

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

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