

产品名称: HLA-DRB1 Mouse Monoclonal Antibody  
产品货号: AMM82890



## 产品概述 (Summary)

|                        |                                    |
|------------------------|------------------------------------|
| 产品名称 (Production Name) | HLA-DRB1 Mouse Monoclonal Antibody |
| 描述 (Description)       | Mouse monoclonal Antibody          |
| 宿主 (Host)              | Mouse                              |
| 应用 (Application)       | IHC,ELISA,FC                       |
| 种属反应性 (Reactivity)     | Human                              |

## 产品性能 (Performance)

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                             |
| 修饰 (Modification)   | Unmodified                                                                               |
| 同种型 (Isotype)       | Mouse IgG1                                                                               |
| 克隆 (Clonality)      | Monoclonal                                                                               |
| 形式 (Form)           | Liquid                                                                                   |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| 储存溶液 (Buffer)       | Purified antibody in PBS with 0.05% sodium azide                                         |
| 纯化方式 (Purification) | Affinity Purification                                                                    |

## 免疫原信息 (Immunogen)

|                        |                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | HLA-DRB1                                                                                  |
| 别名 (Alternative Names) | SS1; DRB1; HLA-DRB; HLA-DR1B                                                              |
| 基因 ID (Gene ID)        | 3123.0                                                                                    |
| 蛋白 ID (SwissProt ID)   | P01911.Purified recombinant fragment of human HLA-DRB1 (AA: 30-266) expressed in E. Coli. |

## 产品应用 (Application)

|                          |                                                      |
|--------------------------|------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| 蛋白分子量 (Molecular Weight) | 29.9kDa                                              |

## 研究背景 (Background)

HLA-DRB1 belongs to the HLA class II beta chain paralogs. The class II molecule is a heterodimer consisting of an alpha

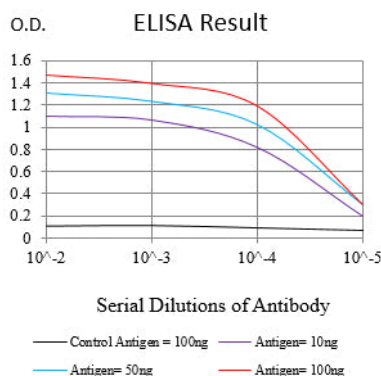
产品名称: HLA-DRB1 Mouse Monoclonal Antibody  
产品货号: AMM82890



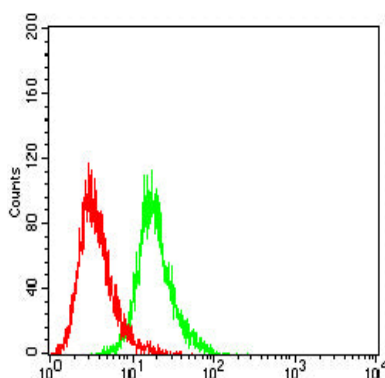
(DRA) and a beta chain (DRB), both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells. The beta chain is approximately 26-28 kDa. It is encoded by 6 exons. Exon 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 DR molecule the beta chain contains all the polymorphisms specifying the peptide binding specificities. Hundreds of DRB1 alleles have been described and some alleles have increased frequencies associated with certain diseases or conditions. For example, DRB1\*1302 has been related to acute and chronic hepatitis B virus persistence. There are multiple pseudogenes of this gene.

## 研究领域 (Research Area)

## 图片 (Image Data)

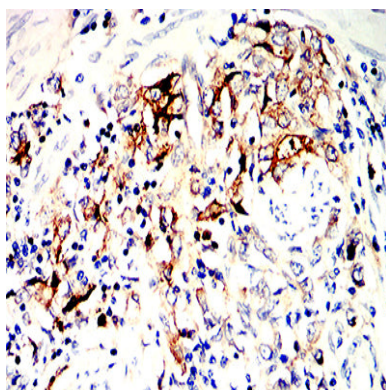


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

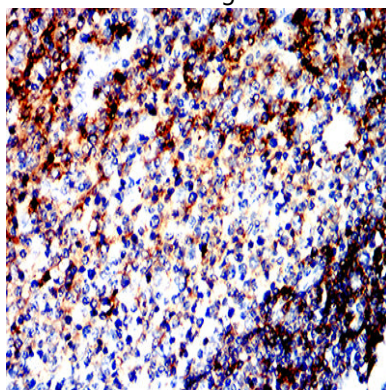


Flow cytometric analysis of Raji cells using HLA-DRB1 mouse mAb (green) and negative control (red).

产品名称: HLA-DRB1 Mouse Monoclonal Antibody  
产品货号: AMM82890



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue using HLA-DRB1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using HLA-DRB1 mouse mAb with DAB staining.

### 注意事项 (Note)

For research use only .