

**Manufacturer/Supplier:**

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**Product name:** Anti-Human HLA-DR Monoclonal Antibody(Biotin  
Conjugated)

**Catalog:** DL21349F

**Synonyms:** HLA class II histocompatibility antigen DR alpha/  
DRB1-15 beta chain, MHC class II antigen  
DRA, HLA-DRA1/DRB1, DRA/DRB1

**Background:** HLA-DR is a heterodimeric cell surface glycoprotein comprised of a 36 kD  $\alpha$  (heavy) chain and a 27 kD  $\beta$  (light) chain. It is expressed on B cells, activated T cells, monocytes/macrophages, dendritic cells, and other non-professional APCs. In conjunction with the CD3/TCR complex and CD4 molecules, HLA-DR is critical for efficient peptide presentation to CD4<sup>+</sup> T cells.

**Form:** Liquid

**Isotype:** Mouse IgG2a,  $\kappa$

**Size:** 25 $\mu$ g/100 $\mu$ g

**Host:** Mouse

**Reactivity:** Human

**Application:** FCM

**Concentration:** 0.5 mg/mL

**Conjugation:** Biotin

**SwissProt:** P01903

**Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

### Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 1.0 \mu\text{g}$  per  $10^6$  cells in 100  $\mu\text{L}$  volume or 100  $\mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

### Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.



This product is guaranteed up to one year from purchase.