

## Elab Fluor® 488 Anti-Human HLA-DR Antibody[Tü36]

Catalog Number: AN00994L

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

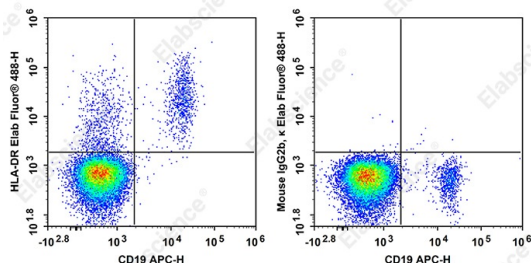
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2b, κ
<b>Clone No.</b>	Tü36
<b>Isotype Control</b>	Elab Fluor® 488 Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812L]
<b>Conjugation</b>	Elab Fluor® 488
<b>Conjugation Information</b>	Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Applications

### Recommended usage

**FCM** Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



Staining of normal human peripheral blood cells with APC

Anti-Human CD19 Antibody and Elab Fluor® 488 Anti-Human HLA-DR Anyibody[Tü36] (left) or Elab Fluor® 488 Mouse IgG2b, κ Isotype Control (right). Cells in the lymphocytes gate were used for analysis.

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	MHC class II;Major Histocompatibility complex II;human leukocyte antigen;HLA
<b>Uniprot ID</b>	P01903
<b>Gene ID</b>	3122

### For Research Use Only

## Background

HLA-DR is a heterodimeric cell surface glycoprotein comprised of an  $\alpha$  (heavy) chain and a  $\beta$  (light) chain. They are 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+ T cells. Variations in the HLA gene expression are crucial to graft survival.