

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

Catalog Number: AN00994L

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

### Description

|                         |   |
|-------------------------|---|
| Reactivity              | Human   |
| Host                    | Mouse   |
| Isotype                 | Mouse IgG2b, κ  |
| Clone No.               | Tü36  |
| Isotype Control         | Elab Fluor® 488 Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812L]   |
| Conjugation             | Elab Fluor® 488   |
| Conjugation Information | 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). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.   |

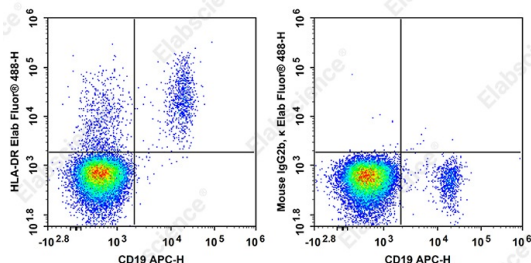
### Applications

### 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 Antibody[Tü36] (left) or Elab Fluor® 488 Mouse IgG2b, κ Isotype Control (right). Cells in the lymphocytes gate were used for analysis.

### Preparation & Storage

|          |   |
|----------|---|
| Storage  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| Shipping | Ice bag   |

### Antigen Information

|                 |  |
|-----------------|--|
| Alternate Names | MHC class II;Major Histocompatibility complex II;human leukocyte antigen;HLA |
| Uniprot ID      | P01903   |
| Gene ID         | 3122   |

### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.3

## 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.