



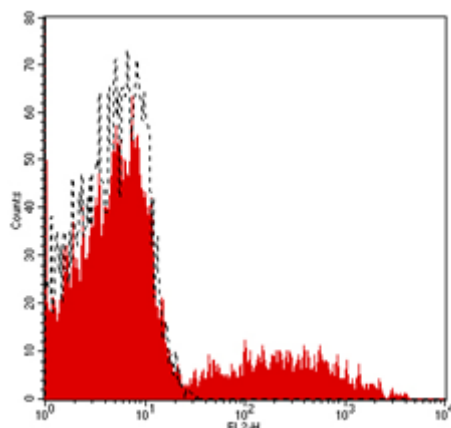
## Mouse anti-Human HLA-DR, Purified mAb

**E16HUDR**

- Catalog Number:** E16HUDR-100 , E16HUDR-500
- Amount:** 100 Tests, 500 Tests
- Form of Antibody:** Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide
- Storage/Stability:** Store at 4°C.DO NOT FREEZE. LIGHT SENSITIVE MATERIAL.
- Description:** HLA-DR a human class II antigen of the major histocompatibility complex(MHC),is a transmembrane glycoprotein composed of an alpha chain (36 kDa) and a beta subunit(27kDa) expressed primarily on antigen presenting cells:B cells, monocytes, macrophages and thymic epithelial cells. HLA-DR is also expressed on activated T cells. This molecule plays a major role in cellular interaction during antigen presentation.
- Isotype:** Mouse IgG2b
- Clone :** 4ALN3
- Reactivity:** Human,Not yet tested in other species.
- Applications:** FCM IF
- Experimental Methods:**
- 1.Take 100  $\mu$ l peripheral blood anticoagulated by EDTA and add to the bottom of 5ml tube;
  - 2.Add appropriate amount of antibody to the bottom of flow tube mixing with the whole blood, incubate for 30 minutes at room temperature;
  - 3.Add 2 ml1 $\times$ RBC lysis buffer, incubate for 10 minutes after mixing, dissolve red blood cells (recommended: RBC lysing Solution 10 $\times$ ,Cat.: FXP001);
  - 4.Sample tube is set to 1000 rpm centrifugation for 5 minutes, discard the supernatant;
  - 5.Add 2 ml PBS wash buffer to resuspend the cells, then 1000 rpm centrifugation for 5 minutes, discard the supernatant;
  - 6.Add appropriate amount of fluorescent-labeled anti-mouse IgGs and incubate for 20 minutes away from light at room temperature.
  - 7.Repeat step 5.
  - 8.Add 0.5 ml PBS wash buffer to resuspend the cells and detect by flow cytometry (sample should be determined on the day on the machine and can also be added fixation overnight at 4  $^{\circ}$ C then measured).
- [PBS wash buffer: PBS +1% FBS +0.1% NaN<sub>3</sub>; Cat.: FXP005]  
[Cell fixation: 2% formaldehyde solution]
- Notices:**
- 1.Since applications vary, each investigator should titrate the reagent to obtain optimal results.
  - 2.Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing;
  - 3.If the sample can not be timely analysis, please fixed;
  - 4.For research use only, not for diagnostic or therapeutic use.
- Related products:**
- |         |  |     |    |
|---------|--|-----|----|
| E16MPDR | Mouse Anti-Human HLA-DR, PE Conjugated mAb   | FCM | IF |
| E16MFDR | Mouse Anti-Human HLA-DR, FITC Conjugated mAb | FCM | IF |

**For Research Use Only**

**Profile of peripheral blood lymphocytes analyzed by flow  
cytometry**



Human peripheral blood lymphocytes analyzed with PE HLA-DR mAb