

## 30-1647BT: Biotin Conjugated Anti-HLA-DR Monoclonal Antibody (Clone: L243)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	L243
<b>Application :</b>	IP,IHC-Fr,ICC,IHC,FACS,WB
<b>Reactivity :</b>	Dog,Human,Non-Human Primates
<b>Conjugate :</b>	Biotin
<b>Alternative Name :</b>	HLA-DR
<b>Isotype :</b>	Mouse IgG2a kappa
<b>Immunogen Information :</b>	Human B lymphocytes

### Description

HLA-DR, a member of MHC class II glycoproteins, that bind intracellularly processed peptides and present them to the Th cells, is composed of 36 kDa alpha chain and 27 kDa beta chain, both anchored in the plasma membrane. Together with other MHC II molecules HLA-DR plays a central role in the immune system.

Specificity: The mouse monoclonal antibody L243 recognizes specifically an extracellular epitope on HLA-DR molecules, both peptide-loaded and empty.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.
<b>Content :</b>	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

Flow cytometry: Recommended dilution: 1-5 µg/ml.

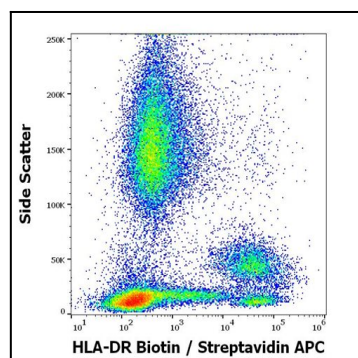


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human HLA-DR (L243) Biotin antibody (concentration in sample 1.67 µg/ml, Streptavidin APC).

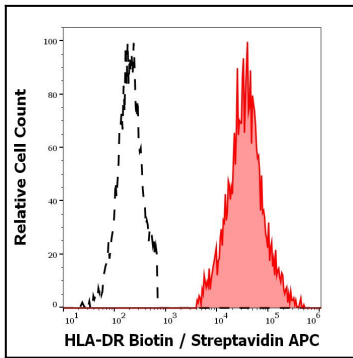


Figure 2: Separation of human monocytes (red-filled) from HLA-DR negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human HLA-DR (L243) Biotin antibody (concentration in sample 1.67  $\mu\text{g}/\text{ml}$ , Streptavidin APC).