Product Data Sheet

PerCP/Cy5.5 anti-human HLA-DR

Catalog # / Size:	2408035 / 25 tests 2408040 / 100 tests
Clone:	Tü36
Isotype:	Mouse IgG2b, κ
Immunogen:	Human PBL
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cyanine5.5 and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration:	Lot-specific

Human peripheral blood lymphocytes were stained with HLA-DR (clone Tü36) PerCP/Cy5.5 (filled histogram) or mouse IgG2b, κ PerC/Cy5.5 isotype control (open histogram).

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.
Application Notes:	Additional reported applications (of relevant formats) includes Western blotting4, immunoprecipitation4, and *in vitro* blocking5. The LEAF™ purified antibody (Endotoxin <0.1 EU/microg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (contact our custom solutions team).
Application References:	1. Thorsby E. 1974. *Transplant. Rev.* 18:51. 2. Qvigstad E, *et al.* 1984. *Hum. Immunol.* 11:207. 3. Servenius B, *et al.* 1984. *EMBO J.* 3:3209. 4. Ottenhoff TH, *et al.* 1985. *H*

Description:	HLA-DR is a heterodimeric cell surface glycoprotein comprised of an α (heavy) chain and a β (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.
Antigen References:	1. Thorsby E. 1974. *Transplant. Rev.* 18:51. 2. Qvigstad E, *et al.* 1984. *Hum. Immunol.* 11:207. 3. Servenius B, *et al.* 1984. *EMBO J.* 3:3209. 4. Ottenhoff TH, *et al.* 1985. *H*

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