

**AM03101PP-N****Monoclonal Antibody to HLA Class II DR - PerCP**

<b>Alternate names:</b>	HLA class II histocompatibility, HLA-DR
<b>Quantity:</b>	100 Tests
<b>Background:</b>	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.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	MEM-12
<b>Immunogen:</b>	Thymocyte membrane
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Buffer System:</b> Phosphate buffered saline (PBS) <b>Preservatives:</b> 15 mM sodium azide <b>Stabilizers:</b> 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) <b>Label:</b> PerCP – Conjugated with Peridinin-chlorophyll-protein complex (PerCP) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.
<b>Applications:</b>	<b>Flow Cytometry analysis</b> of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes common epitope on human HLA-DR which is dependent on the association of alpha and beta chains. DR is the isotype of human MHC Class II molecules expressed on antigen-presenting cells (APC; dendritic cells, B lymphocytes, monocytes, macrophages).
<b>Species Reactivity:</b>	<b>Tested:</b> Human
<b>Storage:</b>	Store undiluted at 2-8°C. DO NOT FREEZE! This products is photosensitive and should be protected from light. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Horejsí V, Námec M, Angelisová P, Kristofová H, Gorga JC, Hilgert I. Characterization of seven new monoclonal antibodies against human DR, DR + DP and DQ1 + DQ3 antigens. Tissue Antigens. 1986 Nov;28(5):288-97. PubMed PMID: 2435017.

## Pictures:

Surface staining of human peripheral blood cells with anti-human HLA-DR FITC (AM03101FC-N).

