



11-241-C100

## Monoclonal Antibody to HLA-DR Purified Antibody (0.1 mg)

<b>Clone:</b>	HL-39
<b>Isotype:</b>	Mouse IgG3
<b>Specificity:</b>	The antibody HL-39 recognizes common epitope on human HLA-DR which is dependent on the association of alpha and beta chains. Recognized epitope is conserved after fixation with glutaraldehyde and formaldehyde. DR is the isotype of human MHC Class II molecules expressed on antigen-presenting cells (APC; dendritic cells, B lymphocytes, monocytes, macrophages).
<b>Immunogen:</b>	Raji Burkitt's lymphoma cell line
<b>Species Reactivity:</b>	Human
<b>Application:</b>	Flow Cytometry Recommended dilution:2 µg/ml Immunoprecipitation
<b>Purity:</b>	> 95% (by SDS-PAGE)
<b>Purification:</b>	Purified from hybridoma culture supernatant by protein A-affinity chromatography.
<b>Concentration:</b>	1 mg/ml
<b>Storage Buffer:</b>	Tris buffered saline (TBS) with 15 mM sodium azide, approx. pH 8.0
<b>Storage / Stability:</b>	Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<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>References:</b>	*Horejsi V, Nemeč M, Angelisova P, Kristofova 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. *Hovden AO, Karlsen M, Jonsson R, Aarstad HJ, Appel S: Maturation of monocyte derived dendritic cells with OK432 boosts IL-12p70 secretion and conveys strong T-cell responses. BMC Immunol. 2011 Jan 5;12:2.

**For laboratory research only, not for drug, diagnostic or other use.**