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## HLA-DQ (HI118) Antibody

**Subcategory:** Mouse Monoclonal Antibody, FITC-conjugated Antibody

**Cat. No.:** 251041

**Unit:** 2 ml

**Description:**

The HLA-DQ (HI118) antibody recognizes the HLA DQ antigen, a HLA class II antigen that is mainly expressed on specialized antigen-presenting cells (APC), dendritic cells, B-cells, monocytes, macrophages and activated T-cells. HLA class II antigens present exogenous-derived antigens to T-cell receptors (TCR) on CD4+ T lymphocytes. Both chains in HLA DQ are polymorphic. HLA DQ is highly expressed in the thymic cortex and is expressed after DR and DP during hematopoietic progenitor cell development. This antibody recognizes DQ6 and DQ8 but not DQ2.

**Isotype:** mouse IgG1

**Applications:** FC

**Species Reactivity:** H

**Format:** Each vial contains 2 ml IgG (100 tests) in PBS pH7.4, 0.1% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

**Alternate Names:** HLA class II histocompatibility antigen, DQ

**Accession No.:**

**Application Notes:** FC with whole blood: 100  $\mu$ l blood + 20  $\mu$ l antibody; FC with cells: 10E6 cells + 20  $\mu$ l antibody. FC: 1:200-1:1,000

**Storage:** Store at 4°C. Product is guaranteed 6 months from the date of shipment.

**Product Citations:** Knapp W., et al., eds. 1989. Leucocyte Typing IV: White Cell Differentiation Antigens. P798, 1078, Oxford University Press, New York

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