

## Product datasheet for **AM05204FC-N**

### HLA Class II DR Mouse Monoclonal Antibody [Clone ID: 423L]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	423L
Applications:	FC
Recommended Dilution:	Flow Cytometry. Monitoring of B cells in peripheral blood. Analysis of B subsets. Study of B cell activation. Study of B cell neoplasms.
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Derived from the hybridization of mouse NS-1/1-Ag4 myeloma cells with spleen cells of BALB/c mice immunized with human lymphoblastoid B-cell line RPMI 8866.
Specificity:	This antibody reacts with Human B and T subset Lymphocyte. Other species not tested.
Formulation:	PBS containing 0.2% protein carrier and 0.08% Sodium Azide as preservative. Label: FITC State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	FITC
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.
Background:	Identification of human B cell and T cell subsets associated with approximately 10% of peripheral blood lymphocytes 28-34,000 M.W. surface antigen, also low density on monocytes and macrophages.
Synonyms:	HLA-DR, HLA class II histocompatibility antigen DR, MHC class II antigen DR



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**Note:**

Protocol: **PBMC:**  
Add 10 ul of MAB/10e6 PBMC in 100 ul PBS.  
Mix gently and incubate for 15 minutes at 2-8°C.  
Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze.

**WHOLE BLOOD:**  
Add 10 ul of MAB/100 ul of whole blood.  
Mix gently and incubate for 15 minutes at room temperature (20°C).  
Lyse the whole blood.  
Wash once with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze.  
See instrument manufacturers instructions for Lysed Whole Blood and Immunofluorescence analysis with a flow cytometer or microscope.