

## Product datasheet for **SM2201P**

### HLA Class II DR Rat Monoclonal Antibody [Clone ID: YD1/63.4.10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	YD1/63.4.10
Applications:	FC, IHC
Recommended Dilution:	<b>Flow Cytometry:</b> Use 10 µl of 1/50-1/200 diluted antibody to label 10e6 cells or 100 µl Human whole blood. This product is routinely tested in Flow Cytometry on Human peripheral blood lymphocytes. <b>Immunohistochemistry on Frozen Sections.</b> <i>Recommended Positive Control:</i> Tonsil. This Clone is reported to work in Parafin-Embedded Sections.
Reactivity:	Human
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	DAUDI cells.
Specificity:	This antibody recognizes a monomorphic determinant of Human HLA DR which is an MHC class II cell surface receptor expressed primarily on antigen presenting cells such as B lymphocytes, monocytes, macrophages and activated T lymphocytes.
Formulation:	PBS containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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- Background:** The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In humans, this complex is referred to as the human leukocyte antigen (HLA) region. There are 3 major MHC class II proteins encoded by the HLA which are HLA DP, HLA DQ and HLA DR.
- Synonyms:** HLA-DR, HLA class II histocompatibility antigen DR, MHC class II antigen DR