OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM32359PU-S

HLA-DRA Mouse Monoclonal Antibody [Clone ID: IPO-10]

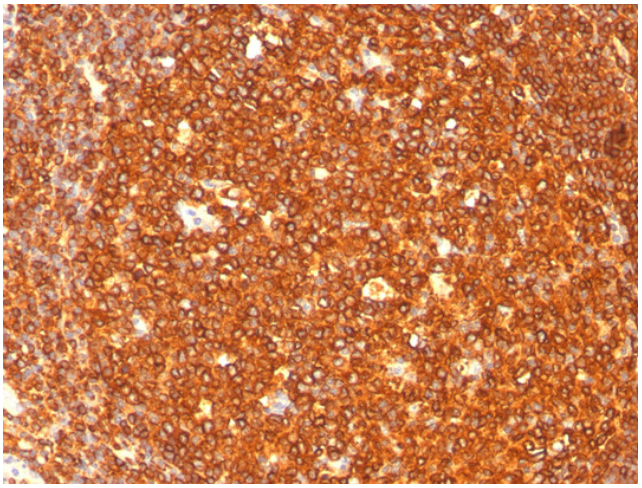
Product data:

Product Type:	Primary Antibodies
Clone Name:	IPO-10
Applications:	FC, IF, IHC
Recommended Dilution:	**ELISA:** Use BSA free Antibody for coating. **Flow Cytometry:** 0.5-1 µg/10^6 cells. **Immunofluorescence:** 0.5-1 µg/ml. ***Positive Control:*** Ramos, Daudi or HuT78 cells, Tonsil or lymph node.
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Spleen cells of a patient with hairy cell leukemia (Daudi cells).
Specificity:	MAb IPO-10 defines the antigen, which appears on B cell progenitors following HLA-DR and preceding CD10, CD19, CD22, CD37 and cym. It is expressed on resting B cells and than reappears and persists in cytoplasm and on cell surface until cytoplasmic Ig appears. It is a useful antibody for diagnostics of neoplasms of B cell origins. It reacts with human B cell lines Daudi, Raji, Namalva, EB-3, RPMI-8226 (50% of cells). The MAb does not label T cell lines, blood granulocytes, thymocytes or bone marrow stromal fibroblasts. No significant changes are detected after PHA or ConA stimulation while LPS and PWM stimulated cultures after 18-48h show decreased number of antigen-positive cells but in final terms of cultivation antigen is expressed again. This MAb labels B cell leukemias and some lymphomas. Hairy cell leukemia strongly reacts and 70% of B cell CLL and some B-NHL were also positive. IPO-10 reacts with AMML cells and in a majority of Hodgkins disease cases a significant percentage of affected lymph node cells were detected. ***Cellular Localization*:** Cell surface.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide

View online »

Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~36 kDa
Gene Name:	major histocompatibility complex, class II, DR alpha
Database Link:	Entrez Gene 3122 Human P01903
Background:	HLA DR, like other MHC class II molecules, is a transmembrane glycoprotein composed of an alpha chain (36 kDa) and a beta chain (27 kDa). It is expressed primarily on antigen presenting cells such as B lymphocytes, monocytes, macrophages, thymic epithelial cells and activated T lymphocytes. Three loci, DR, DQ and DP, encode the major expressed products of the human class II region. The human MHC class II molecules bind intracellularly processed peptides and present them to T helper cells. They therefore have a critical role in the initiation of the immune response.
Synonyms:	HLA-DRA1, MHC class II antigen DRA

Product images:



Formalin-paraffin human tonsil stained with HLA-DR MAb (Clone LN-3).