



Peninsula Laboratories, LLC

A Member of the Bachem Group

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Monoclonal Antibody To Human HLA-DR Marker for MHC class II

Monoclonal antibody EDU-1 recognizes the HLA DR antigen, an HLA class II antigen with homology to murine H-2E. HLA-DR is an $\alpha\beta$ heterodimer. The N-terminal domain of the mature protein forms an alpha-helix that constitutes the exposed part of the binding groove, the C-terminal cytoplasmic region interacts with the other chain forming a beta-sheet under the binding groove spanning to the cell membrane.

Product Number:	T-1369
Clone:	EDU-1
Host species, isotype:	Mouse IgG2b
Quantity:	100 μ g
Format:	Affinity purified, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.2mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA), and 0.09% sodium azide as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested for immunohistochemistry (IHC); has been described to work in FACS. Approximate working dilution for IHC: Frozen sections: $\leq 0.1\mu$ g/ml (1:2000) Paraffin sections: not tested Optimal dilutions should be determined by the end user. Suggested positive control: Human tonsil
Immunogen:	n.a.
Antigen, epitope:	The antigen is HLA-DR. The epitope has not been further characterized.



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Antigen distribution:

Isolated cells: Antigen presenting cells (macrophages, B-cells and dendritic cells) are the cells in which DR are typically found.

Specificity:

Human: HLA-DR

Other: not tested.

For *in vitro* research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.