
Monoclonal Antibody To Human CD19

Marker For B-Lymphocyte Surface Antigen B4 (Leu-12)

Monoclonal antibody AE1 recognizes the CD19 antigen also known as Leu-12, which is expressed on B cells and follicular dendritic cells. CD19 is a signal transduction molecule which regulates B-cell development, activation, and differentiation. The CD19 antigen appears early in B lymphocyte differentiation at approximately the same stage as the CD22 antigen. CD19 is not expressed on granulocytes, monocytes or T cells as defined by CD3 expression.

Product Number:	T-1355 (Lot 01PO0703)
Clone:	AE1
Host species, isotype:	Mouse IgG1
Quantity:	100µg
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) as a stabilizer 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: 1-3µg/ml (1:50 - 1:200) Paraffin sections: does not react on routinely processed paraffin sections. Optimal dilutions should be determined by the end user. Suggested positive control: Human tonsil Please see www.bma.ch for protocols and general information.
Antigen, epitope:	The antigen is CD19. The epitope has not been further characterized.

Antigen distribution: **Isolated cells:** 5-50% of human peripheral blood mononuclear cells.

Tissue sections: The antigen is expressed on B-cells and follicular dendritic cells.

Specificity: **Human:** CD19

Other: not tested.

Selected references

Barclay, Brown et al., The Leukocyte Antigen FactsBook, 2nd edition, Harcourt Brace & Company, London, (1997)

Kishimoto, Kikutani et al. (eds.) Leukocyte typing VI., Garland Publishing Inc., New York & London, (1997)

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