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Monoclonal Antibody To Human CD22

Marker For B-Lymphocyte Cell Adhesion Molecule (Leu-14)

Monoclonal antibody IS7 recognizes the CD22 antigen also known as Leu-14, which is expressed on precursor and mature B-cells. CD22 is a type 1 integral membrane glycoprotein with a molecular weight of 130 to 140kD. It is expressed in both the cytoplasm and the cell membrane of B lymphocytes. The CD22 antigen appears early in B lymphocyte differentiation at approximately the same stage as the CD19 antigen. CD22 has been detected on approximately 5-50% of human peripheral blood mononuclear cells.

Product number: T-1356

Clone: IS7

Lot: 01PO0703

TECHNICAL AND ANALYTICAL CHARACTERISTICS:

Host species, subclass:	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), 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: 0.2-0.4µg/ml (1:500 - 1:1000) 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 CD22. The epitope has not been further characterized.

Antigen distribution:	**Isolated cells:** 5-50% of human peripheral blood mononuclear cells.
	Tissue sections: The antigen is found on precursor and mature B-cells.
Specificity:	**Human:** CD22
	Other: does not react with porcine tissues.

Selected references

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

Knapp, W. et al. (eds), Leukocyte typing IV., Oxford University Press, Oxford (1989)

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