



BMA BIOMEDICALS

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.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-1356 (Lot 01PO0703)
Clone:	IS7
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 from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
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.
Protein database:	<u>human-P20273</u>

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. This product contains sodium azide as a preservative.