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Antibody to CD45
MOUSE MONOCLONAL

Catalog Number: AB-558
Quantity: 500 micrograms, 1 milligram
Format: Lyophilized
Host: Mouse
Isotype: IgG2a
Clone: hCD45
Immunogen: purified human T-cells

Background:

Mouse anti-human CD45 leukocyte common antigen (LCA) belongs to the family of at least four isoforms of membrane glycoproteins expressed on hematopoietic cells, but not found on non-hematopoietic cell lines, or non-hematopoietic tissue (either normal or malignant). The sizes of the LCA isoforms are 220, 205, 190, and 180 kDa. The intracellular domains of these molecules have protein phosphatase activity and are involved in regulation of transmembrane signals.

Specificity and Preparation:

This antibody was created by immunizing mice with purified human T-cells. It was purified over protein A. The protein concentration is 1 mg/ml in PBS after reconstitution with water. The antibody isotype is IgG2a.

Usage and Storage:

Reported to be effective for staining ($10 \mu\text{l}/10^6$ cells). Working concentration should be determined by the investigator.
Store lyophilized material at 4°C. Reconstitute with H₂O. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Material is stable for two years lyophilized, one month in solution at 4°C.

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