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Antibody to Human CD44
MOUSE MONOCLONAL

Catalog Number: AB-426
Quantity: 500 micrograms, 1 milligram
Format: Lyophilized
Host: Mouse
Isotype: IgG₁
Clone: hCD44
Immunogen: purified human T-cells

Background:

CD44 is a cell-surface glycoprotein that plays a role in cell-cell interactions, cell adhesion and migration. CD44 is a receptor for hyaluronic acid and also interacts with other ligands, such as osteopontin, collagens, and matrix metalloproteinases. CD44 participates in a wide variety of cellular functions such as lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis.

CD44 and CD49d are putative activity markers and CD44 is a potential novel therapeutic target in multiple sclerosis. Increased CD44 antigen is associated with relapses in non-small cell lung cancers.

Specificity and Preparation:

Anti-human CD44 is purified over a protein A column. The protein concentration is 1 mg/ml in PBS after reconstitution.

Usage and Storage:

Reported to be effective for staining ($10 \mu\text{l}/10^6$ cells).

Reconstitute with H₂O. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. In lyophilized form, store at 4°C. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Material is stable two years lyophilized, one month in solution at 4°C.

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