



Anti-CD44 monoclonal antibody, clone Bu52 (CABT-46089MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Mouse anti Human CD44 antibody, clone Bu52 recognizes the human CD44 cell surface antigen, a 100kD glycoprotein widely expressed on human leucocytes, white matter of the brain and by some epithelial cells of the intestine and of the breast. Several isoforms of CD44 exist, including the predominant CD44H isoform detected in many normal tissues. The Bu52 antibody recognizes an epitope that is common to all CD44 isoforms. CD44 is a receptor for hyaluronic acid (HA) and is involved in cell-cell interactions, cell adhesion and migration. CD44 also participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing. CD44 expression may be up-regulated upon some carcinomas, and it has been speculated that this may be related to metastatic potential. Flow Cytometry Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul.

Specificity	CD44
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	Bu52
Conjugate	Unconjugated
Applications	IHC-Fr; FC; IP; IHC-P
Format	Purified IgG - liquid
Size	200 µg
Preservative	0.09% Sodium Azide

Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CD44 CD44 molecule (Indian blood group) [Homo sapiens (human)]
Official Symbol	CD44
Synonyms	CD44; CD44 molecule (Indian blood group); IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CDW44; CSPG8; HCELL; HUTCH-I; ECMR-III; CD44 antigen; epican; Hermes antigen; hyaluronate receptor; phagocytic glycoprotein 1; heparan sulfate proteoglycan; cell surface glyc
Entrez Gene ID	960
Protein Refseq	NP_000601
UniProt ID	P16070
Chromosome Location	11p13
Pathway	Cell surface interactions at the vascular wall; Cytokine Signaling in Immune system; Defective B3GAT3 causes JDSSDHD; Defective B4GALT1 causes B4GALT1-CDG (CDG-2d); Defective B4GALT7 causes EDS, progeroid type; Defective CHST14 causes EDS, musculocontractural type; Defective CHST3 causes SEDCJD; Defective CHST6 causes MCDC1;
Function	collagen binding; contributes_to cytokine receptor activity; hyaluronic acid binding; hyaluronoglucosaminidase activity; protein binding;