



Magic™ Anti-CD44 monoclonal antibody, clone EF1486 (DMAB4952MH)

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

PRODUCT INFORMATION

Product Overview	MAb to SPN; Mouse Monoclonal Antibody to Human sialophorin
Specificity	Anti-CD44,EF1486, was included in the Fourth International Workshop and Conference on Human Leucocyte Differentiation Antigens (1), and a number of laboratories have confirmed the reactivity against CD44.
Immunogen	KG1 cells(myeloblastic cell line).
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	EF1486
Conjugate	Unconjugated
Applications	IHC
Format	Monoclonal mouse antibody provided in liquid form as cell culture supernatant dialysed against 0.05 mol/L Tris/HCl, pH 7.2, and containing 15 mmol/L NaN3.
Preservative	15mmol/L Sodium Azide
Storage	Store at 2-8°C. Do not use after expiration date stamped on vial. If reagents are stored under any conditions other than those specified, the conditions must be verified by the user. There are no obvious signs to indicate instability of this product. Therefore, positive and negative controls should be run simultaneously with patient specimens. If unexpected staining is observed which cannot be explained by variations in laboratory procedures and a problem with the antibody is

suspected, contact our Technical Services.

GENE INFORMATION

Gene Name	CD44CD44 molecule (Indian blood group) [Homo sapiens]
Official Symbol	CD44
Synonyms	IN; LHR;MC56; MDU2; MDU3; MIC4; Pgp1; CDW44; CSPG8; HCELL; HUTCH-I; ECMR-III;MGC10468; CD44 antigen; Epican; Hermes antigen; OTTHUMP00000232487; OTTHUMP00000232488;OTTHUMP00000232489; OTTHUMP00000232491; OTTHUMP00000232492;OTTHUMP00000232493; OTTHUMP00000232494; OTTHUMP00000232495;OTTHUMP00000232522; hyaluronate receptor; phagocytic glycoprotein 1; heparansulfate proteoglycan; cell surface glycoprotein CD44; extracellular matrixreceptor III; chondroitin sulfate proteoglycan 8; GP90 lymphocytehoming/adhesion receptor; hematopoietic cell E- and L-selectin ligand; homingfunction and Indian blood group system
Entrez Gene ID	960
Protein Refseq	NP_000601
UniProt ID	P16070
Chromosome Location	11
Pathway	Cytokine Signalingin Immune system; ECM-receptor interaction; Hematopoietic cell lineage;Immune System; Interferon Signaling; Interferon gamma signaling;Osteopontin-mediated events; Paxillin-independent events mediated by a4b1 anda4b7
Function	binding; collagenbinding; hyaluronic acid binding; protein binding; receptor activity;contributes_to transmembrane signaling receptor activity