

Product datasheet for **AM20041PU-S**

CD44 Mouse Monoclonal Antibody [Clone ID: 156-3C11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	156-3C11
Applications:	IHC
Recommended Dilution:	Immunohistochemistry and Paraffin Sections: Use at 1/25-1/75 in ABC method. Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining. <i>Positive Control:</i> Human tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	BALB/C mice were injected with stimulated Human leukocytes.
Specificity:	This antibody is specific to a cell surface glycoprotein of 80-95kD, known as CD44, which is expressed on the surface of lymphocytes, monocytes, and granulocytes. This antibody reacts with red cells pretreated with 2-aminoethyl-isothiuronium bromide (AET). Cellular Localization: Cell membrane.
Formulation:	State: Purified State: Liquid purified IgG containing Sodium Azide as a preservative.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD44 molecule (Indian blood group)
Database Link:	Entrez Gene 960 Human P16070



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Background:	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.
Synonyms:	LHR, MDU2, MDU3, MIC4, CDw44, Epican, ECMR-III, HUTCH-I, Heparan sulfate proteoglycan, Hermes antigen, Hyaluronate receptor, PGP-1
Protein Families:	Adult stem cells, Cancer stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Transmembrane
Protein Pathways:	ECM-receptor interaction, Hematopoietic cell lineage