

## Product datasheet for **TA320281**

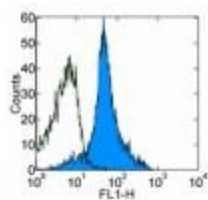
### CD44 Rat Monoclonal Antibody [Clone ID: IM7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	IM7
Applications:	FC
Recommended Dilution:	Flow, IHC, Functional Assay, IP, WB
Reactivity:	Human, Mouse
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD44 molecule (Indian blood group)
Database Link:	<a href="#">NP_000601</a> <a href="#">Entrez Gene 12505 Mouse</a> <a href="#">Entrez Gene 960 Human</a> <a href="#">P16070</a>
Background:	The IM7 monoclonal antibody reacts with all isoforms of mouse CD44 (Pgp-1). CD44 is expressed by hematopoietic and non-hematopoietic cells. Bone marrow myeloid cells and memory T cells highly express this antigen and peripheral B and T cells can upregulate the expression of CD44. CD44 functions as an adhesion molecule through its binding to hyaluronate, an extracellular matrix component.
Synonyms:	CDW44; CSPG8; ECMR-III; HCELL; HUTCH-I; IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1
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



[View online »](#)

**Product images:**

Staining of C57Bl/6 splenocytes with 0.06 ug of Rat IgG2b Isotype Control Purified (open histogram) or 0.06 ug of Anti-Human/Mouse CD44 Purified (filled histogram) followed by Anti-Rat IgG FITC. Total viable cells were used for analysis.