



Product Datasheet
**Mouse/Human CD44 Monoclonal Antibody
(AGEL0364)**
Catalogue Code: AGEL0364

Antibody Data

Product SKU:	AGEL0364	Clone	IM7
Applications:	FC,IHC,IP	Conjugate	Unconjugated
Reactivity:	Mouse, Human		

Immunogen Information:

Gene ID: 12505960

Swiss Prot: P15379,P16070

Synonyms: CD44 antigen, CD44, CDw44, Epican, Phagocytic glycoprotein 1, PGP-1, Phagocytic glycoprotein I, PGP-I, CD44, LHR, MDU2, MDU3, MIC4

Product Information:

Host Species: Rat

Isotype: Rat IgG2b

Storage: PBS with 0.05% Proclin300

Recommended Dilution: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 cells in 100 μl volume or 100 μl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Background:

CD44 is a 80-95 kD glycoprotein also known as Hermes, Pgp1, H-CAM, or HUTCH. It is expressed on all leukocytes, endothelial cells, hepatocytes, and mesenchymal cells. As B and T cells become activated or progress to the memory stage, CD44 expression increases from low or mid levels to high levels. Thus, CD44 has been reported to be a valuable marker for memory cell subsets. High CD44 expression on Treg cells has been associated with potent suppressive function via high production of IL-10. CD44 is an adhesion molecule involved in leukocyte attachment to and rolling on endothelial cells, homing to peripheral lymphoid organs and to the sites of inflammation, and leukocyte aggregation.

Images:

