

## Product datasheet for **SM607PS**

### CD44 Mouse Monoclonal Antibody [Clone ID: W4-86]

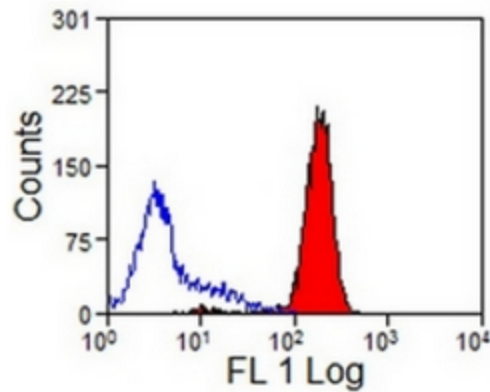
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	W4-86
Applications:	FC, IHC, IP
Recommended Dilution:	<b>Flow Cytometry:</b> Use 10 µl of 1/25-1/200 diluted antibody to label 10 <sup>6</sup> cells in 100 µl. <b>Immunoprecipitation.</b> <b>Immunohistochemistry on Frozen Sections.</b>
Reactivity:	Rabbit
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	RL-5 T cell line glycoproteins. Spleen cells from an immunised mouse were fused with cells of the mouse P3.X63 Ag8 myeloma cell line.
Specificity:	This antibody recognises the CD44 cell surface antigen, a 90kD glycoprotein expressed by all leucocytes. In immunohistochemical staining the antibody labels the medullary area strongly and the cortical area weakly. Reactivity in Flow cytometry may be weak. Clone <i>W4/86</i> has been reported as being suitable for use in Western blotting under non-reducing conditions.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction from Tissue Culture Supernatant Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Gene Name:	CD44 molecule (Indian blood group)
Database Link:	<a href="#">P16070</a>
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

**Product images:**

Rabbit peripheral blood granulocytes stained with CD44 Antibody (Clone W4/86) followed by Goat anti Mouse IgG Antibody -FITC.