

## Product datasheet for **SM502F**

### CD44 Mouse Monoclonal Antibody [Clone ID: CVS18]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	CVS18
Applications:	FC
Recommended Dilution:	<b>Flow cytometry:</b> Neat - 1/10, use 10µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100µl.
Reactivity:	Equine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Equine leucocytes
Specificity:	Clone CVS18 antibody detects equine CD44 and may be used as a pan equine leucocyte marker.
Formulation:	0.09% Sodium azide and 1% BSA Label: FITC State: Purified State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	FITC
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<a href="#">Q05078</a>



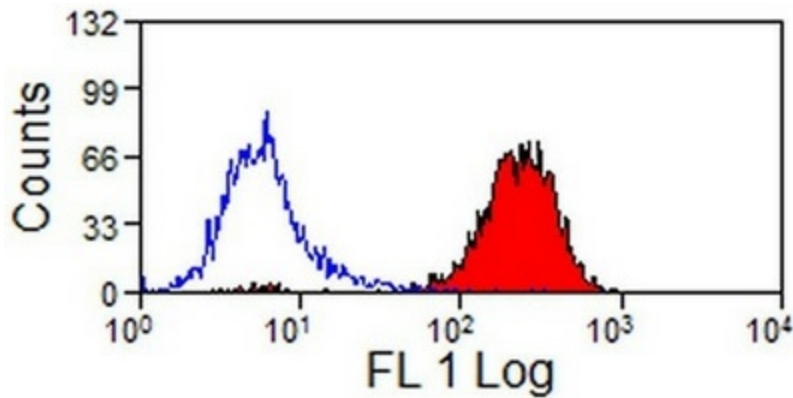
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**Background:**

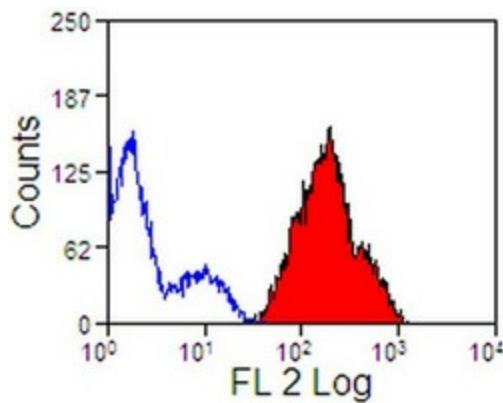
CD44 is a type 1 transmembrane glycoprotein also known as Phagocytic Glycoprotein 1 (pgp 1) and HCAM. CD44 is the receptor for hyaluronate and exists as a large number of different isoforms due to alternative RNA splicing. The major isoform expressed on lymphocytes, myeloid cells, and erythrocytes is a glycosylated type 1 transmembrane protein. Other isoforms contain glycosaminoglycans and are expressed on hematopoietic and non hematopoietic cells. CD44 is involved in adhesion of leukocytes to endothelial cells, stromal cells, and the extracellular matrix.

**Synonyms:**

LHR, MDU2, MDU3, MIC4, CDw44, Epican, ECMR-III, HUTCH-I, Heparan sulfate proteoglycan, Hermes antigen, Hyaluronate receptor, PGP-1

**Product images:**

Staining of equine peripheral blood lymphocytes with CD44 antibody clone CVS18.



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