

## Product datasheet for **AM31898PU-N**

### **MARCKS like protein (MARCKSL1) (107-196) Mouse Monoclonal Antibody [Clone ID: 8C8]**

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	8C8
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml. <b>Western Blot:</b> 1/500 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	MARCKSL1 (NP_075385, 107 a.a. ~ 196 a.a) partial recombinant protein with GST tag
Specificity:	Recognizes Marcks-Related Protein at aa 107-196.
Formulation:	PBS, pH 7.2 State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Gene Name:	MARCKS-like 1
Database Link:	<a href="#">Entrez Gene 65108 Human P49006</a>



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**Background:**

Protein kinase C is a key enzyme of intracellular signal transduction. The myristoylated, alanine-rich protein MARCKS, is a widely expressed, prominent substrate for protein kinase C. The severe neural tube defects (NTD) including exencephaly, spina bifida, and tail flexion anomaly in approximately 60% of the homozygous mutants and in approximately 10% of heterozygous animals. The homozygous mutants without exencephaly survived despite brain abnormalities, which appear to occur secondarily to the NTD. It has been suggested that mutations in Mrp result in isolated NTD and therefore may provide an animal model for common human NTD.

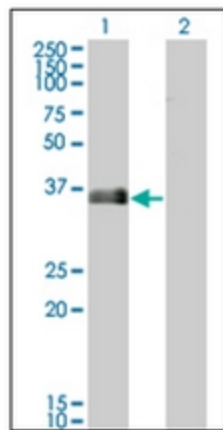
**Synonyms:**

MARCKS-related protein, Macrophage myristoylated alanine-rich C kinase substrate, MARCKSL1, MLP, MRP

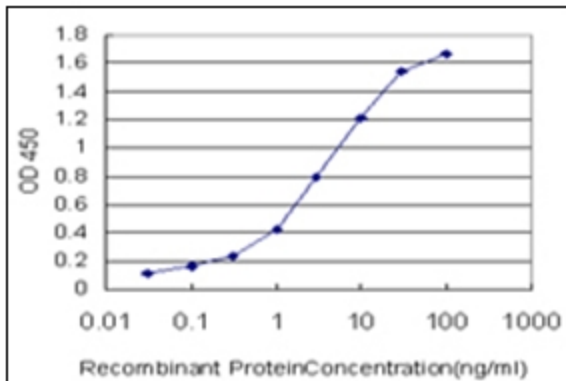
**Protein Pathways:**

Fc gamma R-mediated phagocytosis

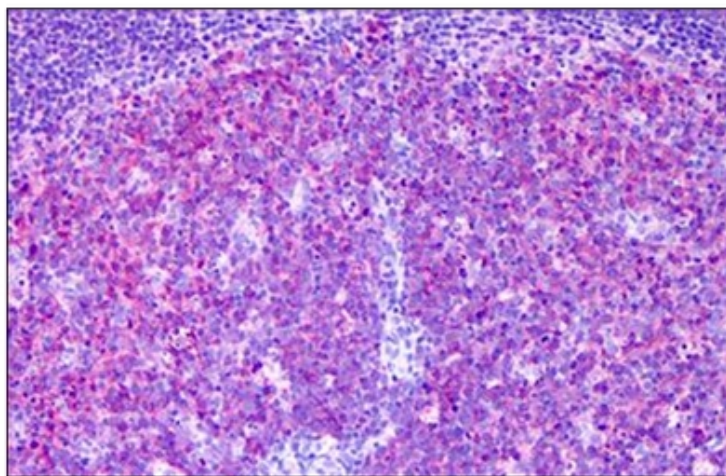
**Product images:**



Western Blot analysis of MARCKSL1 expression in transfected 293T cell line by MARCKSL1 antibody.



Detection limit for recombinant GST tagged MARCKSL1 is approximately 0.1ng/ml as a capture antibody.



Human Tonsil, Germinal Center: Formalin-Fixed, Paraffin-Embedded (FFPE)