

## Product datasheet for **AM08088PU-N**

### Lamp2 Rat Monoclonal Antibody [Clone ID: ABL-93]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	ABL-93
Applications:	FC, IHC, IP
Recommended Dilution:	<b>Flow Cytometry:</b> < / = 1 µg/10e6 cells. <b>Immunohistochemistry (Acetone-Fixed, Frozen Tissue Sections only).</b> (Ref.2,5) <b>Immunoprecipitation.</b> (Ref.2)
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Glycoproteins purified from BALB/c mouse embryo 3T3 cell line. (Ref.1)
Specificity:	This antibody is specific to CD107b/LAMP-2 (Mr 110-120 kDa with a core protein of Mr ~40 kDa).
Formulation:	100 mM Borate Buffered Saline, pH 8.2. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
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:	lysosomal-associated membrane protein 2
Database Link:	<a href="#">Entrez Gene 16784 Mouse P17047</a>



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**Background:**

CD107b, also known as lysosomal-associated membrane protein 2 (LAMP-2), is a heavily glycosylated, type I transmembrane protein that constitutes one of the two major sialoglycoproteins on lysosomal membranes that can be used to distinguish lysosomes from other organelles. (Ref.1) CD107b is similar in structure to Mac-1 and is expressed primarily on epithelial cells and macrophages in a variety of organs in normal and Beige mutant mice. (Ref.2)

**Synonyms:**

LAMP-2, LAMP-2C, LAMPB