

## Product datasheet for **AM08107PU-N**

### CD8A Mouse Monoclonal Antibody [Clone ID: 76-2-11]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	76-2-11
Applications:	CT, FC, IHC, IP
Recommended Dilution:	<b>Flow Cytometry</b> – Quality tested <sup>1,11-15,17-28</sup> <b>Immunohistochemistry-Frozen Sections</b> – Reported in literature <sup>2-6,16</sup> <b>Immunohistochemistry-Paraffin Sections</b> – Reported in literature <sup>7</sup> <b>Immunoprecipitation</b> – Reported in literature <sup>1</sup> <b>Blocking</b> – Reported in literature <sup>8,9</sup> <b>Depletion</b> – Reported in literature <sup>10</sup> <b>Complement Mediated Cell Depletion</b> – Reported in literature <sup>1</sup>
Reactivity:	Porcine
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Fresh dd miniature swine thymocytes
Specificity:	This antibody reacts with Porcine CD8 alpha (Mr. 32-34 kDa). (Ref-1-3)
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.
Database Link:	<a href="#">Entrez Gene 396627 Pig Q6R2U9</a>



[View online »](#)

**Background:**

The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell to cell interactions within the immune system. The CD8 antigen, acting as a coreceptor, and the T cell receptor on the T lymphocyte recognize antigen displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. CD8 is expressed on most thymocytes and approximately 1/3 of peripheral blood T cells in humans. CD8 alpha/beta heterodimers are expressed only on TCR alpha/beta T cells, whereas CD8 alpha homodimers can be expressed on alpha/beta and gamma/delta T cells and some NK cells in humans. The pattern of expression in other species has not been well documented.

**Synonyms:**

CD8 alpha chain, CD8A, MAL