

Product datasheet for **AM08107BT-N**

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

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | 76-2-11 |
| Applications: | FC |
| Recommended Dilution: | Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.1-3) |
| Reactivity: | Porcine |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Specificity: | This antibody reacts with Porcine CD8 alpha (Mr. 32-34 kDa). (Ref-1-3) |
| Formulation: | PBS containing 0.09% Sodium Azide as preservative. Label: Biotin State: Liquid purified Ig fraction. |
| Concentration: | lot specific |
| Conjugation: | Biotin |
| Storage: | Store the antibody 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: | Entrez Gene 396627 Pig Q6R2U9 |



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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