

## Product datasheet for **AM08141RP-N**

### CD8 Mouse Monoclonal Antibody [Clone ID: 3-298]

#### Product data:

|                       |                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:         | Primary Antibodies                                                                                                                                                            |
| Clone Name:           | 3-298                                                                                                                                                                         |
| Applications:         | FC                                                                                                                                                                            |
| Recommended Dilution: | <b>Flow Cytometry:</b> < / = 0.2 µg/10e6 cells. (Ref.4)                                                                                                                       |
| Reactivity:           | Chicken                                                                                                                                                                       |
| Host:                 | Mouse                                                                                                                                                                         |
| Isotype:              | IgG2b                                                                                                                                                                         |
| Clonality:            | Monoclonal                                                                                                                                                                    |
| Specificity:          | This antibody recognizes the CD8 alpha chain of both the Chicken and Turkey. (Ref.4)                                                                                          |
| Formulation:          | PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent.<br>Label: PE<br>State: Liquid purified Ig fraction.<br>Label: R-Phycoerythrin                      |
| Concentration:        | lot specific                                                                                                                                                                  |
| Conjugation:          | PE                                                                                                                                                                            |
| Storage:              | Store the antibody undiluted at 2-8°C.<br><b>DO NOT FREEZE!</b><br>This product is photosensitive and should be protected from light.<br>Avoid repeated freezing and thawing. |
| Stability:            | Shelf life: one year from despatch.                                                                                                                                           |
| Database Link:        | <a href="#">Q0R4I4</a>                                                                                                                                                        |



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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