

Monoclonal Antibody to CD8 - Cy5

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| Alternate names: | CD8 alpha chain, CD8A, MAL, T-cell surface glycoprotein CD8 alpha chain, T-lymphocyte differentiation antigen T8/Leu-2 |
| Catalog No.: | AM08141C5-N |
| Quantity: | 0.1 mg |
| Concentration: | 0.1 mg/ml |
| 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. |
| Uniprot ID: | Q0R4I4 |
| NCBI: | 9031 |
| Host / Isotype: | Mouse / IgG2b |
| Clone: | 3-298 |
| Format: | State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: Cy5 – Cyanine 5 |
| Applications: | Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.4) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody recognizes the CD8 alpha chain of both the Chicken and Turkey. (Ref.4) Species: Chicken and Turkey. Other species not tested. |
| 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. Shelf life: one year from despatch. |
| General Readings: | 1. Chan, M.L., C.-L. Chen, L. Ager, and M.D. Cooper. 1988. J. Immunol. 140:2133-2138. Tu 2. Cooper, M.D., R.P. Bucy, and C.-L. Chen. 1990. In: The Avian Model in Developmental Biology: From Organism to Genes. Editions du |

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Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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CNRS, pp. 239-249.

3. Tregaskes, C.A., F. Kong, E. Paramithiotis, C.-L. Chen, M.J.H. Ratcliffe, T. F. Davison, and J.R. Young. 1995. J. Immunol. 154:4485-4494.

4. Li, Z., K.E. Nestor, Y.M. Saif, Z. Fan, M. Luhtala, and O. Vainio. 1999. Poult Sci. 78:1526-1531.