

AM08158RT-N**Monoclonal Antibody to CD8 - PE-TXRD****Alternate names:**

CD8 alpha chain, CD8A, MAL, T-cell surface glycoprotein CD8 alpha chain, T-lymphocyte differentiation antigen T8/Leu-2

Quantity:

100 Tests

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 functions primarily as a coreceptor with MHC Class I-restricted TCR's in antigen recognition. (Ref.1-2)

Uniprot ID:

[P01732](#)

NCBI:

[NP_001759](#)

GeneID:

[925](#)

Host / Isotype:

Mouse / IgG1

Clone:

RFT-8

Format:

State: Liquid purified Ig fraction.

Buffer System: PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent.

Label: PE-TXRD – R-Phycoerythrin-Texas Red

Applications:

Flow Cytometry: 10 µL/10e6 cells.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody recognizes CD8.

Species: Human.

Other species not tested.

Storage:

Store the antibody undiluted at 2-8°C.

DO NOT FREEZE!

This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

1. Barclay, A.N., M.H. Brown, S.K.A. Law, A.J. McKnight, M.G. Tomlinson, and P.A. van der Merwe, eds. 1997. The Leukocyte Antigens Facts Book, 2nd Edition, CD8 Section, Academic Press, New York, p. 149.

2. Zamoyska, R. 1994. Immunity 1:243.