

anti-human CD28

Monoclonal Antibody 15E8 to CD28 (Human)

Cat-No: **21330281**

100 µg in 100 µl

Clone: 15E8

Specificity:

This clone has been derived from hybridization of SP2/0 cells with spleen cells of a BALB/c mouse immunized with human T lymphocytes. This antibody has been clustered to CD28 in one of the international Workshop on Human White Cell differentiation Antigens. The monoclonal antibody is directed against the CD28-antigen, which is expressed on a subpopulation of human T-cells (1) and activated B-cells. It has been shown that CD28 positive CD8-cells are cytotoxic T lymphocyte precursors. The monoclonal antibody does not react with B-cells, granulocytes and monocytes.

Isotype subclass: Mouse IgG1

Purification: Ammoniumsulphate precipitation and ion exchange chromatography.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 0.09 % sodium azide (pH 7.2).

Expiration date: The reagent is stable until the expiry date stated on the vial label.

Storage conditions: Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Application: To study the role of CD28 in T-cell proliferation (1-3). Methods: Indirect immunofluorescence staining with analysis by flowcytometry or fluorescence microscopy.

References:

- 1.) Lier, R.A.W. van, et al., Knapp, W. (editor), Leucocyte Typing IV, Oxford University Press, chapter 2, 353 (1989).
- 2.) Lier, R.A.W. van, et al., McMichael, A.J. (editor), Leucocyte Typing III, Oxford University Press, chapter 6, 170 (1987).
- 3.) Lier, R.A.W. van, et al., Eur. J. Immunol., 18, 167 (1988).

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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