

anti-human CD138

Monoclonal Antibody 1D4 to CD138 (Human)

Cat-No: 21331381

100 µg in 100 µl

Clone: 1D4

Specificity:

This clone has been derived from hybridization of SP2/0 cells with spleen cells of a BALB/c mouse immunized with a myeloma cell line (TH). The monoclonal antibody is directed against an specific antigen for plasma cells. Moderate binding is seen to EBV-transformed lymphoblastoid cell lines. The antibody does not react with other lymphoid cells, including normal and leukemic B-cells. The antibody does not effect the proliferation and Ig-production of plasma cell lines.

Isotype subclass: IgG1

Form: Hybridoma cultured supernatant. 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: Enumeration of plasma cells in peripheral blood or bone marrow. Indirect immunofluorescence staining with analysis by flowcytometry or fluorescence microscopy

References:

- 1.Sonnenberg, A. et al., J.Biol.Chem., 262, 10376 (1987).
- 2.Hemler, M.E. et al., J.Biol.Chem., 263, 7660 (1988).
- 3.Sonnenberg, A. et al., J.Biol.Chem., 263, 14030 (1988).
- 4.Hemler, M.E. et al., J.Biol.Chem., 264, 6529 (1989).
- 5.Sonnenberg, A. et al., Nature, 336, 487 (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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