

anti-human/ -mouse CD44

Monoclonal Antibody IM7 to CD44 (human and mouse)

Cat-No: **21850441**

100 µg in 100 µl

Clone: IM7

Specificity: The IM7 monoclonal antibody reacts with all isoforms of mouse CD44 (Pgp-1). CD44 is expressed by hematopoietic and non-hematopoietic cells. Bone marrow myeloid cells and memory T cells highly express this antigen and peripheral B and T cells can upregulate the expression of CD44. CD44 functions as an adhesion molecule through its binding to hyaluronate, an extracellular matrix component.

Species Reactivity: Human, Mouse, Canine (Dog), Equine (Horse), Feline (Cat)

Isotype subclass: Rat IgG2b

Physical state: Liquid

Buffer/Additives/Preservative: PBS, pH 7.2, containing 0.09% sodium azide

Form: Purified via Protein G chromatography

Purity: > 95% (by SDS-PAGE)

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

Storage conditions: Store at -20 °C.

Application: Flow cytometry

References:

- 1.) Lesley, J. and I. S. Trowbridge 1982. Genetic characterization of a polymorphic murine cell-surface glycoprotein. Immunogenetics 15(3): 313-20.
- 2.) Maiti A, Maki G, Johnson P. TNF-alpha induction of CD44-mediated leukocyte adhesion by sulfation. Science. 1998. Oct 30;282(5390):941-3.

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.

ImmunoTools Excellent Quality - Advantageously priced

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