



Antibodies

1F-624-C100

Monoclonal Antibody to CD44 Fluorescein (FITC) conjugated (0.1 mg)

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| Clone: | IM7 |
| Isotype: | Rat IgG2b |
| Specificity: | The rat monoclonal antibody IM7 reacts with CD44 antigen (Phagocyte glycoprotein 1), an 80-95 kDa transmembrane glycoprotein (hyaladherin family) present on the most of cells and tissues (leukocytes, endothelial cells, mesenchymal cells, etc.); it is negative on platelets and hepatocytes. The antibody reacts with all isoforms of mouse CD44. |
| Regulatory Status: | RUO |
| Immunogen: | Dexamethasone-induced cells of the SJL mouse spontaneous myeloid leukemia M1 |
| Species Reactivity: | Human, Mouse, Canine (Dog), Equine (Horse), Feline (Cat) |
| Preparation: | The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC. |
| Concentration: | 0.5 mg/ml |
| Storage Buffer: | Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 |
| Storage / Stability: | Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label. |
| Usage: | The reagent is designed for Flow Cytometry analysis. Suggested working concentration is 2 µg/ml. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator. |
| Expiration: | See vial label |
| Lot Number: | See vial label |
| Background: | CD44 is a transmembrane glycoprotein expressed on the surface of most cells, which serves as a receptor for hyaluronan. CD44 mediates angiogenesis, cell adhesion, proliferation and migration, it is thus important for lymphocyte activation, recirculation and homing. Although CD44 functions are essential for physiological activities of normal cells, elevated CD44 expression correlates with poor prognosis in many carcinomas, facilitating tumour growth and metastasis, antiapoptosis and directional motility of cancer cells. |

For laboratory research only, not for drug, diagnostic or other use.

**Antibodies****References:**

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- *And many other.

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