

anti-human CD15 FITC-conjugated

The antibody HI98 reacts with CD15, a cell membrane molecule 3-fucosyl-N-acetyllactosamine (3-FAL) strongly expressed on granulocytes, monocytes, macrophages, mast cells; it is also present on Langerhans cells and some myeloid precursors cells.

HLDA VI; WS Code AS A053

CD15 (Lewis X, Le(x); stage specific embryonic antigen-1, SSEA-1) is a trisaccharide determinant (3-fucosyl-N-acetyllactosamine) expressed on several glycolipids, glycoproteins and proteoglycans of various cell types, e.g. granulocytes, mast cells, monocytes, macrophages, cells of gastric mucosa, nervous system or various tumour cells. There are several variants of Lewis x, such as sialyl-Lewis x or sulphated Lewis x. Cells with high surface expression of Le(x) antigen exhibit strong self-aggregation, based on calcium-dependent Le(x)-Le(x) interaction. This process is involved for example in embryo compaction or in autoaggregation of teratocarcinoma cells. Sialyl-Le(x) and its isomer sialyl-Le(a) are ligands of selectins. CD15 expression has been extensively used to confirm diagnosis of Hodgkin's disease.

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|------------------------|----------------------------------------------------------------------------|
| Clone: | HI98 |
| Isotype: | Mouse IgG1 |
| Physical state: | Liquid for direct use |
| Form: | purified antibody conjugated with Fluorescein isothiocyanate (FITC) |
| Buffer: | PBS containing 1% BSA and 0.09% sodium azide (pH 7.2) |
| Storage: | Store at 4 °C. Do not freeze. Avoid prolonged exposure to light. |
| Application: | Flow Cytometry |
| Reference: | Leucocyte Typing IV. Knapp W et al. (Eds.), Oxford University Press (1989) |
| Quantity: | 1.0 ml |
| Order N°: | H12521F |

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).

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