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30-2825: Anti-Hu CD15 (Clone W6D3) Purified

Clonality :	Monoclonal
Clone Name :	W6D3
Application :	FACS
Reactivity :	Human
Conjugate :	Unconjugated
Format :	Purified
Alternative Name :	Lewis x Blood Group antigen, Le(x), SSEA-1, 3-fucosyl-N-acetyllactosamine
Immunogen Information :	WERI-RB-1 retinoblastoma cell line

Description

CD15 (Lewis x), also known as stage specific embryonic antigen-1 (SSEA-1) is a trisacharide 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 structural relatives of Lewis x, e.g. 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 HodgkinÂ´s disease.
Specificity :Mouse monoclonal antibody W6D3 recognizes CD15 in nonterminal position on extracellular glycoproteins. CD15 (a cell membrane 3-fucosyl-N-acetyllactosamine; 3-FAL) is strongly expressed on granulocytes, monocytes, macrophages, mast cells; it is also present on Langerhans cells and some myeloid precursors cells. This is a non-IgM anti-CD15 antibody.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	Storage Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-4 Âµg/ml

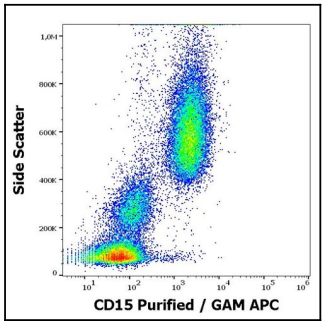


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD15 (W6D3) purified antibody (concentration in sample 15 µg/ml, GAM APC).

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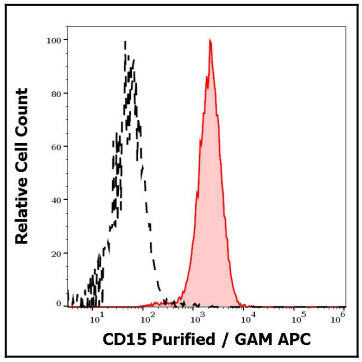


Figure 2: Separation of neutrophil granulocytes stained anti-human CD15 (W6D3) purified antibody (concentration in sample 15 µg/ml, GAM APC, red-filled) from neutrophil granulocytes unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).

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