

Product datasheet for **SM3010B**

CD15 Mouse Monoclonal Antibody [Clone ID: MEM-158]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-158
Applications:	FC
Recommended Dilution:	Suitable for Flow cytometry (1/1000).
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Human granulocytes.
Specificity:	CD15 antigen (Lewisx blood group antigen). HLDA Workshop VI: WS Code A053
Formulation:	PBS pH 7.4 with 15 mM sodium azide as preservative. Label: Biotin State: Liquid
Concentration:	lot specific
Purification:	Purified
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2 - 8 °C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.



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Background:

CD15 (Lewis X, Le(x); stage specific embryonic antigen-1, SSEA-1) is a trisaccharide (3-determinant3-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.

Synonyms:

Lewis X, X-Hapten, Lacto-N-Fucopentaose III, Stage-Specific Embryonic Antigen, SSEA1