

Product datasheet for **AM32396PU-N**

CD15 Mouse Monoclonal Antibody [Clone ID: BRA4F1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BRA4F1
Applications:	ELISA, FC, IHC
Recommended Dilution:	ELISA. Flow Cytometry. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	A BALB/c mouse was immunized with K562 (an erythroid-myeloid leukemia cell line). Splenocytes were fused with mouse myeloma SP2.0-Ag14 cells.
Specificity:	This antibody specifically detects CD15. CD15 contains the pentasaccharide lacto-N-fucopentatose III and is particularly expressed on granulocytes and mature neutrophils and on a wide variety of tumor cells including myeloid leukemia, breast, colorectal, and lung cancer cells. The mAb BRA4F1 was clustered at the IV th International Workshop on Leucocyte Differentiation Antigens.
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.



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Background:

CD15 is a carbohydrate that is referred to as the Lewis X antigen, also known as alpha-(1,3)-fucosyltransferase 4, which is expressed on a variety of glycolipids and glycoproteins found on the cell surface of neutrophils, monocytes, eosinophils and non-hematopoietic tissues including embryonic tissues. CD15 is reported to function as an adhesion molecule and is involved in chemotaxis and phagocytosis. Expression of CD15 is also associated with a wide variety of tumour cells including some adenocarcinomas and certain types of myeloid and lymphoid leukaemias. Reed-Sternberg cells, found in cases of Hodgkins Lymphoma, also express CD15 and antibodies recognising the CD15 antigen are often used to help differentiate between Hodgkins and non-Hodgkins lymphoma.

Synonyms:

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