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CD15/ Lewis X antigen/ alpha-(1,3)-fucosyltransferase 4

Catalogue number: **MUB0367P**

Clone	BRA4F1
Isotype	IgM
Product Type	Primary Antibodies
Units	0.1mg
Host	Mouse
Species reactivity	Human
Application	Flow cytometry Immunocytochemistry Immunohistochemistry (frozen) Immunohistochemistry (paraffin)

Distributors

For Purchasing Information, please contact your local distributor

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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.

Source

BRA4F1 is a mouse IgM monoclonal antibody derived from the fusion of SP2.0-Ag14 mouse myeloma cells with splenocytes from a BALB/c mouse immunized with K562 cells.

Product

Each vial contains 100 µl 1mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide. The product is delivered in lyophilised format.

Applications

The BRA4F1 antibody is suitable for the detection of CD15 by flow cytometry, immunocytochemistry and immunohistochemistry of frozen and paraffin embedded tissues. Optimal antibody dilutions

for the different applications should be determined by titration.

Specificity

The antibody BRA4F1 is directed against human CD15. The antibody does not cross react with the sialylated form of CD15 (CD15s).

Storage

Store at 4oC, or in small aliquots at -20oC.

References

1. Chorváth B, Sedlák J, Suliková M, Plesková I, Augustínová M, Duraj J. Monoclonal antibodies (series Bra-) of broad (non-lineage) or restricted (myelomonocytic) reactivities elicited with granulocytes or K 562 cells. Neoplasma. 1989;36(6):633-42. 2. CD

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strong acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water. This datasheet is as accurate as reasonably achievable, but Nordic-MUBio accepts no liability for any inaccuracies or omissions in this information.