

Blood Group M antigen (GH-9): sc-52373

BACKGROUND

Blood-group antigens are generally defined as molecules formed by sequential addition of saccharides to the carbohydrate side chains of lipids and proteins detected on erythrocytes and certain epithelial cells. The A, B and H antigens are reported to undergo modulation during malignant cellular transformation. Blood group related antigens are usually mucin-type and are detected on erythrocytes, certain epithelial cells and in secretions of certain individuals. Sixteen genetically and biosynthetically distinct but inter-related specificities belong to this group of antigens, including A (1 and 2), B, H, M, N, Lewis A, Lewis B, Lewis X, Lewis Y and precursor type 1 chain antigens.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: GYPB/GYP A (human) mapping to 4q31.21.

SOURCE

Blood Group M antigen (GH-9) is a mouse monoclonal antibody raised against M antigen on cells of human origin.

PRODUCT

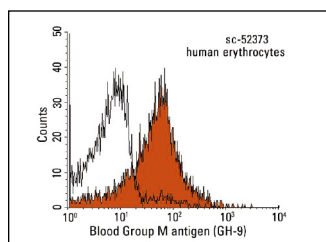
Each vial contains 100 µg IgM in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blood Group M antigen (GH-9) is available conjugated fluorescein (sc-52373 FITC, 100 tests in 2 ml), for IF, IHC(P) and FCM.

APPLICATIONS

Blood Group M antigen (GH-9) is recommended for detection of Blood Group M antigen of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 µg per 1 x 10⁶ cells).

DATA



Blood Group M antigen (GH-9): sc-52373. Indirect FCM analysis of human erythrocytes stained with Blood Group M antigen (GH-9), followed by PE-conjugated goat anti-mouse IgM: sc-3768. Black line histogram represents the isotype control, normal mouse IgM: sc-3881.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.