SANTA CRUZ BIOTECHNOLOGY, INC.

Blood Group Wrb (E6): sc-81763

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

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. The Wright (Wr) blood group antigens include Wra and Wrb and are encoded by alleles of the same gene. The Wrb antigen involves both red blood cell (RBC) band 3 and glycophorin A (GPA).

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: WRB (human) mapping to 21q22.2.

STORAGE

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

SOURCE

Blood Group Wrb (E6) is a mouse monoclonal antibody raised against thymus tissue homogenate of human origin.

PRODUCT

Each vial contains 200 µg IgG_{2b} kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blood Group Wrb (E6) is available conjugated to either phycoerythrin (sc-81763 PE) or fluorescein (sc-81763 FITC), 200 µg/ml, for IF, IHC(P) and FCM.

APPLICATIONS

Blood Group Wrb (E6) is recommended for detection of Blood Group Wrb erythrocytes and bone marrow nucleated cells of human origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 µg per 1 x 10^6 cells).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Immunofluorescence: use m-IgGκ BP-FITC: sc-516140 or m-IgGκ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

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.