**BACKGROUND**

Selectins are comprised of a family of carbohydrate-binding proteins involved in mediating cellular interactions with leukocytes. Selectins regulate leukocytes in the blood to lymphoid organs and sites of inflammation, and are also thought to play a role in the dissemination of carcinomas that express sialylated Lewis glycan structures, such as sialyl-Lewis X, also known as slex or CD15s. Core 2 O-glycans, which are synthesized by an essential enzyme C2GnT1 (core 2 N-acetylgalactosaminyltransferase) in leukocytes, serve as high-affinity selectin glycan ligands when terminated with CD15s (C2-O-sLex). The CD15s antigen functions as a carbohydrate determinant that is recognized by all members of the selectin family. C2-O-sLex is highly unregulated in colorectal adenocarcinomas and metastatic liver tumors and therefore suggested to be a tumor associated antigen and a useful early predictor of metastasis.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: FUT4 (human) mapping to 11q21.

**SOURCE**

CD15s (CHO131) is a mouse monoclonal antibody raised against CD15s of human origin.

**PRODUCT**

Each vial contains 200 µg IgM kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. CD15s (CHO131) is available conjugated to either phycoerythin (sc-32243 PE) or fluorescein (sc-32243 FITC), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM.

**APPLICATIONS**

CD15s (CHO131) is recommended for detection of CD15s of human origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 µg per 1 x 10⁶ 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. 2) Immunohistochemistry: use m-IgGκ BP-HRP: sc-516102 with DAB, 50X: sc-24982 and Immunohisto-mount: sc-45086, or Organo/Limone Mount: sc-45087.

**DATA**

CD15s (CHO131): sc-32243. Indirect FCM analysis of human peripheral blood leukocytes stained with CD15s (CHO131), followed by PE-conjugated goat anti-mouse IgM: sc-3768. Black line histogram represents the isotype control, normal mouse IgM-PE: sc-2870.

**SELECT PRODUCT CITATIONS**


**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.