**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 β1,6 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 colo-rectal 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 (5F18) is a mouse monoclonal antibody raised against α-1-3-fucosyl-transferase.

**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 (5F18) is available conjugated to either phycoerythrin (sc-70545 PE) or fluorescein (sc-70545 FITC), 200 µg/ml, for IF, IHC(P) and FCM.

**APPLICATIONS**

CD15s (5F18) is recommended for detection of sialyl-Lewis X (sLeX) of human origin by flow cytometry (1 µg per 1 x 10⁶ cells).

**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.