Thermo SCIENTIFIC

IVD DATA SHEET
Rev 121307A

GLUT-1 (SPM498)

Catalog # MS-10637-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200ug/ml)
Catalog # MS-10637-R7 (7.0ml)
Catalog # MS-10637-PCS

INTENDED USE:

- ***For In Vitro Diagnostic Use:*** This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- ***Description:*** Glucose is fundamental to the metabolism in mammalian cells. Several glucose transporter protein (Glut) isoforms have been identified and shown to function in response to insulin and IGF-1 induced signaling. GLUT-1 is detectable in many human tissues including those of the colon, lung, stomach, esophagus, and breast. GLUT-1 immunoreactivity in some cancers, including trans carcinoma of the urinary bladder, has been associated with aggressive behavior.
- ***Expected Staining Pattern:*** Cell membrane
- ***Positive Control:*** Esophageal CA

MATERIALS PROVIDED:

GLUT-1 (SPM498) (refer to catalog number):

- #MS-10637-P (or -P0, -P1) 200ug/ml of antibody purified from ascites. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.
- or
- #MS-10637-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.

or

- #MS-10637-PCS: 5 positive control slides.

- ***Antibody Concentration:*** 200ug/ml
- ***Host:*** Mouse
- ***Epitope:*** c-terminal
- ***Species Reactivity:*** Human and Rat. Others not tested.
- ***Clone Designation:*** SPM498
- ***Ig Isotype / Light Chain:*** IgG1/κ
- ***Immunogen:*** A synthetic peptide derived from C-terminal of human GLUT-1
- ***Microbiological State:*** This product is not sterile.

MATERIALS REQUIRED, BUT NOT PROVIDED:

- ***Antibody Diluent:*** For concentrated antibodies, the antibody must be diluted before using. Use Lab Vision Antibody Diluent (catalog # TA-125-UD). Refer to diluent product instructions for use.
- ***Negative Control Reagent:*** Refer to the "General Protocol" instructions.
- ***Visualization System*:** Refer to the "General Protocol" instructions.

METHODS AND PROCEDURES:

Specimen Preparation	Refer to the "General Protocol" instructions.
Dilution of Concentrated Antibody	1:200 in antibody diluent
Tissue Section Pretreatment	Staining of formalin-fixed tissue sections requires treating the tissue sections in boiling 10mM citrate buffer, pH 6.0 (Lab Vision catalog # AP-9003), for 10-20 minutes followed by cooling at room temperature for 20 min..
Primary Antibody Incubation Time	30 mins at Room Temperature
Visualization	To detect antibody, follow the instructions provided with the visualization system.

STORAGE and STABILITY:

This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.

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