

GLUT-1 (Tumor Progression and Mesothelioma Marker) Antibody

Mouse Monoclonal Antibody [Clone GLUT1/7308]

Catalog No	Format	Size
6513-MSM8-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6513-MSM8-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6513-MSM8-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

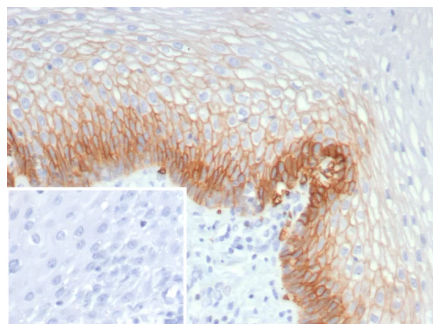
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

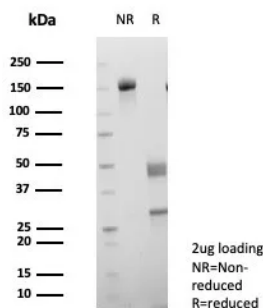
Clone	GLUT1/7308
Gene Name	SLC2A1
Immunogen	Recombinant fragment of human GLUT1 protein (around aa 200-400) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG
Mol. Weight of Antigen	55kDa
Cellular Localization	Cell surface
Species Reactivity	Human
Positive Control	A431 colon and ovarian carcinoma. K562 MDA-MB-231 cells or erythrocytes. Mesothelioma or breast

*Optimal dilution for a specific application should be determined.

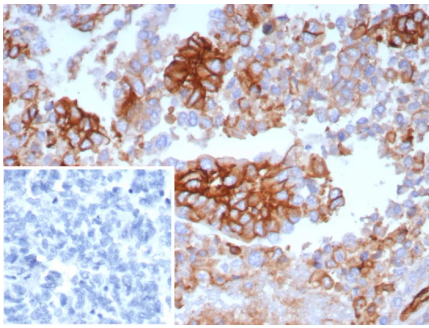
Product Images for GLUT-1 (Tumor Progression and Mesothelioma Marker) Antibody



Formalin-fixed, paraffin-embedded human esophagus stained with GLUT-1 Mouse Monoclonal Antibody (GLUT1/7308). Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis of Purified GLUT-1 Mouse Monoclonal Antibody (GLUT1/7308). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with GLUT-1 Mouse Monoclonal Antibody (GLUT1/7308). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Recognizes a protein of 55kDa, which is identified as GLUT-1. Glucose transporters are integral membrane glycoproteins involved in transporting glucose into most cells. There are many types of glucose transport carrier proteins, designated as Glut-1 to Glut-12. Glut-1 is a major glucose transporter in the mammalian blood-brain barrier. It is expressed in high density on the membranes of human erythrocytes and the brain capillaries that comprise the blood-brain barrier. Glut-1 is expressed at variable levels in many human tissues. Overexpression of Glut-1 has been linked to tumor progression or poor survival of patients with carcinomas of the colon, breast, cervical, lung, bladder and mesothelioma. Glut-1 is a sensitive and specific marker for the differentiation of malignant mesothelioma (positive) from reactive mesothelium (negative).

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Colon Cancer, Endothelial Cell Marker, Infectious Disease, Neural Stem Cells, Neuroinflammation