Intelectin 1 / Omentin (Epithelioid-Type Malignant Mesothelioma Marker) Antibody

Mouse Monoclonal Antibody [Clone ITLN1/4062]

Catalog No	Format	Size
55600-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
55600-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
55600-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

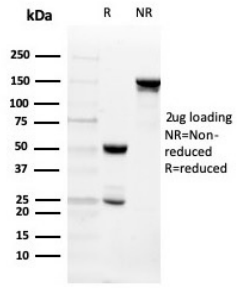
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

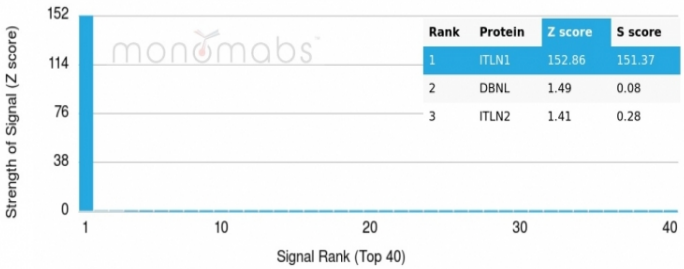
Clone	ITLN1/4062
Gene Name	ITLN1
Immunogen	Recombinant fragment (around aa16-141) of human Intelectin-1 (ITLN1) protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	35kDa
Cellular Localization	Cell membrane, Secreted
Species Reactivity	Human
Positive Control	Human mesothelioma or colon tissue.

**Optimal dilution for a specific application should be determined.*

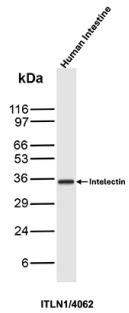
Product Images for Intelectin 1 / Omentin (Epithelioid-Type Malignant Mesothelioma Marker) Antibody



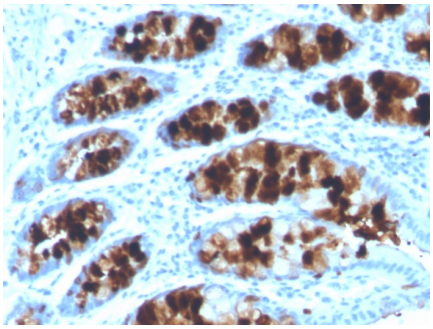
SDS-PAGE Analysis of Purified Intelectin 1 / Omentin Mouse Monoclonal Antibody (ITLN1/4062). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Intelectin 1 / Omentin Mouse Monoclonal Antibody (ITLN1/4062). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western blot analysis of human intestine tissue lysates using Intelectin Mouse Monoclonal Antibody (ITLN1/4062).



Formalin-fixed, paraffin-embedded human colon stained with Intelectin 1 / Omentin Mouse Monoclonal Antibody (ITLN1/4062).

Specificity & Comments

Human intelectin-1 (ITLN-1) is a novel identified galactose binding lectin that is usually expressed in the heart, small intestine, and colon. In normal tissues, human intelectin-1 was mainly secreted from gastrointestinal goblet cells along with mucus into the intestinal lumen, and it was also expressed, to a lesser extent, in mesothelial cells and urinary epithelial cells. It is overexpressed in human malignant pleural mesothelioma (MPM). In contrast, sarcomatoid-type MPMs, biphasic MPMs, and poorly differentiated MPMs are rarely positive for intelectin-1, and it is not expressed in other cancers, except in mucus-producing adenocarcinoma.

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, Immunology

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.