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

Mouse Monoclonal Antibody [Clone ITLN1/4066]

<table>
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<th>Catalog No</th>
<th>Format</th>
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<td>Purified Ab with BSA and Azide at 200ug/ml</td>
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<tr>
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Human Entrez Gene ID 55600
Human SwissProt Q8WWA0
Human Unigene 50813
Human Gene Symbol ITLN1
Human Chromosome Location 1q23.3
Synonyms Endothelial lectin HL-1; Galactofuranose binding lectin; hIntL; Intestinal lactoferrin receptor; INTL; ITLN; LFR

Immunogen Recombinant fragment (around aa16-141) of human Intelectin-1 (ITLN1) protein (exact sequence is proprietary)
Host / Ig Isotype Mouse / IgG2c, kappa
Mol. Weight of Antigen 35kDa
Species Reactivity Human.
Positive Control Human mesothelioma or colon tissue.

Formalin-fixed, paraffin-embedded human colon stained with Intelectin 1 / Omentin Mouse Monoclonal Antibody (ITLN1/4066).

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.

Known Applications & Suggested Dilutions

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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 &degC followed by cooling at RT for 20 minutes)
Optimal dilution for a specific application should be determined.

Key References