

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Intelectin-1/Omentin in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 450523
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Intelectin-1/Omentin Thr19-Ser298 Accession # Q8WWA0
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

ELISA Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Intelectin-1 (Intestinal Lectin; also ITLN-1 and Omentin) is a 40 kDa Ca-dependent galactofuranose-binding lectin that is not a C-type lectin. It is expressed on multiple cell types and appears to participate in insulin signaling and microbe recognition. The human ITLN-1 preproprecursor is 313 amino acids (aa) in length. It contains an 18 aa signal sequence, a 280 aa mature segment (aa 19-298), and a 15 aa C-terminal proregion that is cleaved to generate a GPI-linkage. One fibrinogen-related domain exists in the mature molecule (aa 36-209). Human ITLN-1 exists as a disulfide-linked glycosylated homotrimer. Mouse ITLN-1 is unglycosylated and a monomer. Mature human ITLN-1 is 82% aa identical to mouse ITLN-1. Human ITLN-1 shows one alternate start site at Met72, and a splice form that contains a 32 aa substitution for aa 264-313.

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