

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Intelectin-2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, 100% cross-reactivity with recombinant mouse (rm) Intelectin-1 is observed. In direct ELISAs, approximately 25% cross-reactivity with recombinant human (rh)
Source	Monoclonal Rat IgG ₁ Clone # 747421
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse Intelectin-2 Ala20-Ser298 Accession # Q80ZA0
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	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-2 (endothelial lectin 2; also ITLN-2 and HL-2) is a 40 kDa, likely Ca-dependent carbohydrate-binding lectin that is a member of the X-lectin family of molecules. It is secreted by intestinal Paneth cells and appears to participate in fungal microbe recognition. The Intelectin-2 precursor is 325 amino acids (aa) in length. It contains a 26 aa signal sequence and a 299 aa mature region. Although mouse Intelectin-2 is reportedly GPI-linked and mouse and human Intelectin-2 show considerable C-terminal aa identity, it is not known if human Intelectin-2 is also GPI-linked. There is one fibrinogen-related domain in the mature molecule (aa 45-210). One potential splice variant is reported that shows a premature truncation after Gly264. Over aa 20-298, mouse Intelectin-2 shows 78% aa identity to human Intelectin-2.

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