

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Intelectin-2 in direct ELISAs and Western blots. In direct ELISAs, approximately 20% cross-reactivity with recombinant mouse Intelectin-1 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse Intelectin-2 Ala20-Ser298 Accession # Q80ZA0
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

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 (ITLN-2, ITLN-1b and HL-2) is a 37-41 kDa, likely Ca-dependent carbohydrate-binding lectin that is a member of the X-lectin family of molecules. It is secreted by airway mucous cells plus intestinal Paneth and goblet cells, and appears to participate in fungal microbe recognition. The mouse ITLN-2 precursor is 313 amino acids (aa) in length. It contains a 19 aa signal sequence, a 279 aa mature region (aa 20-298), and a GPI-linked prodomain (aa 299-313). The mature region contains one C-terminal type fibrinogen domain (aa 32-251). Over aa 20-298, mouse ITLN-2 shares 79% aa sequence identity with human ITLN-2, and 92% aa sequence identity with mouse ITLN-1.

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