

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | 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)             |
| <b>Source</b>             | Monoclonal Rat IgG <sub>1</sub> Clone # 747421                                                                                                                                                                                                                              |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant mouse Intelectin-2<br>Ala20-Ser298<br>Accession # Q80ZA0                                                                                                                                                                                |
| <b>Conjugate</b>          | Alexa Fluor 594<br>Excitation Wavelength: 590 nm<br>Emission Wavelength: 617 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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.

|                             |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| <b>Western Blot</b>         | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunohistochemistry</b> | Optimal dilution of this antibody should be experimentally determined. |

## PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | 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.

## PRODUCT SPECIFIC NOTICES

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