

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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

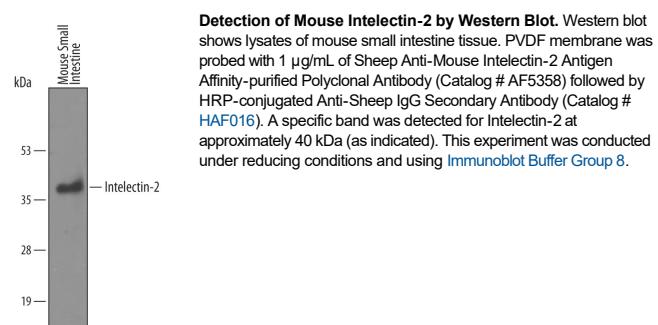
APPLICATIONS

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA

Western Blot



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.