

# Intelectin-1

Catalog No: #AP78720



Package Size: #AP78720-1 50ug #AP78720-2 100ug #AP78720-3 1mg

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## Description

Product Name	Intelectin-1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	19-298AA
Other Names	UNQ640/PRO1270,INTL,ITLN,LFR,Endothelial lectin HL-1,Galactofuranose-binding lectin,Intestinal lactoferrin receptor,Omentin
Accession No.	Q8WWA0Gene name:ITLN1
Uniprot	Q8WWA0
GeneID	55600;
Calculated MW	30.8
Tag Info	His
Formulation	50mM NaH <sub>2</sub> PO <sub>4</sub> , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Lectin that specifically recognizes microbial carbohydrate chains in a calcium-dependent manner (PubMed:11313366, PubMed:26148048). Binds to microbial glycans that contain a terminal acyclic 1,2-diol moiety, including beta-linked D-galactofuranose (beta-Galf), D-phosphoglycerol-modified glycans, D-glycero-D-talo-oct-2-ulosonic acid (KO) and 3-deoxy-D-manno-oct-2-ulosonic acid (KDO) (PubMed:26148048). Binds to glycans from Gram-positive and Gram-negative bacteria, including *K.pneumoniae*, *S.pneumoniae*, *Y.pestis*, *P.mirabilis* and *P.vulgaris* (PubMed:26148048). Does not bind human glycans (PubMed:26148048). Probably plays a role in the defense system against microorganisms (Probable). May function as adipokine that has no effect on basal glucose uptake but enhances insulin-stimulated glucose uptake in adipocytes (PubMed:16531507). Increases AKT phosphorylation in the absence and presence of insulin (PubMed:16531507). May interact with lactoferrin/LTF and increase its uptake, and may thereby play a role in iron absorption (PubMed:11747454, PubMed:23921499).

## References

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Note: This product is for in vitro research use only