

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 66686-1-Ig	<b>GenBank-Zugangsnummer:</b> BC034750	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul, Konzentration: 1500 µg/ml von 3960 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> Vollständiger Name: lectin, galactoside-binding, soluble, 4	<b>CloneNo.:</b> 3C2G3
<b>Wirt:</b> Maus	<b>Berechnete Masse:</b> 323 aa, 36 kDa	<b>Empfohlene Verdünnungen:</b> IHC 1:2000-1:10000 IF 1:200-1:800
<b>Isotyp:</b> IgG2b	<b>Beobachtete Masse:</b> 36 kDa	
<b>Immunogen Katalognummer:</b> AG4049		

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, IF, IHC, WB, ELISA	<b>Positivkontrollen:</b>
<b>Getestete Reaktivität:</b> Human	<b>WB:</b> HT-29-Zellen, humanes Ileumgewebe
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	<b>IHC:</b> humanes Kolongewebe, humanes Kolonkarzinomgewebe
	<b>IF:</b> humanes Kolonkarzinomgewebe,

## Hintergrundinformationen

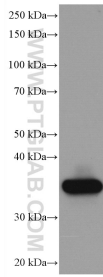
Galectins are a family of animal lectins defined by shared characteristic amino-acid sequences and affinity for  $\beta$ -galactose-containing oligosaccharides (PMID: 8063692). Galectin-4 contains two carbohydrate recognition domains (CRDs) and is expressed in the epithelium of oral mucosa, esophagus, and intestinal and colonic mucosa (PMID: 15546874; 15115909). Aberrant expression of galectin-4 has been reported in several cancers.

## Lagerung

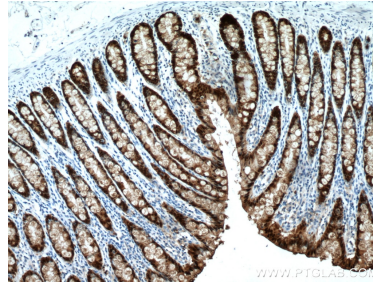
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

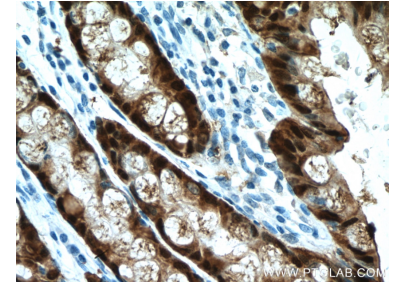
## Ausgewählte Validierungsdaten



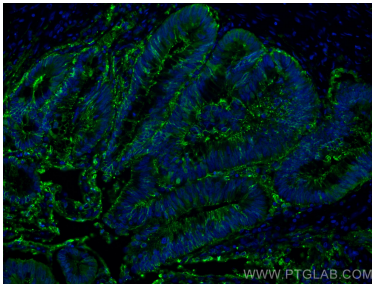
HT-29 cells were subjected to SDS PAGE followed by western blot with 66686-1-Ig (LGALS4, GAL4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



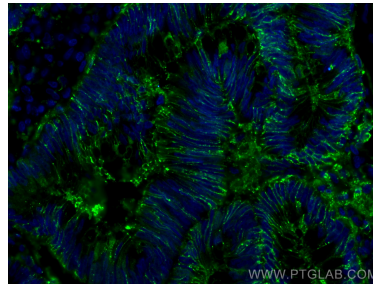
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66686-1-Ig (Galectin-4 antibody) at dilution of 1:5000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



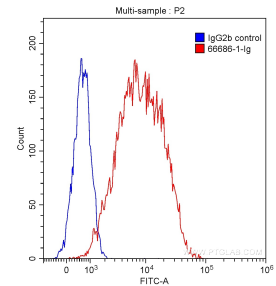
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66686-1-Ig (Galectin-4 antibody) at dilution of 1:5000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using Galectin-4 antibody (66686-1-Ig, Clone: 3C2G3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using Galectin-4 antibody (66686-1-Ig, Clone: 3C2G3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



$1 \times 10^6$  HT-29 cells were stained with 0.20  $\mu$ g Anti-Human Galectin-4 (66686-1-Ig, Clone: 3C2G3) (red) or 0.20  $\mu$ g isotype control antibody (blue) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000. Cells were fixed with 90% MeOH.