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32-12079: Human Galectin-1 (AF)

Gene :	LGALS1
Gene ID :	3956
Uniprot ID :	P09382
Alternative Name :	14 kDa laminin-binding protein, 14 kDa lectin, Beta-galactoside-binding lectin L-14-I, Galaptin, HBL, HPL, Lactose-binding lectin 1, Lectin galactoside-binding soluble 1, Putative MAPK-activating protein PM12, S-Lac lectin 1

Description

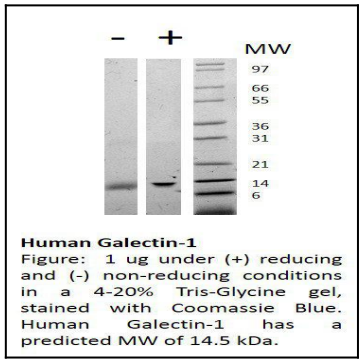
Source: Genetically modified E.coli.
Predicted MW:Â Monomer, 14.7 kDa (135 aa)
Galectin-1 belongs to the lectin family of carbohydrate binding proteins and binds glycans as both a monomer and a homodimer. Galectin-1 is produced in peripheral lymphoid organs and inflammatory sites. Galectin-1 plays important roles in acute and chronic inflammatory processes, cell growth, cell proliferation, and induces apoptosis of activated T cells. Galectin-1 also modulates cytokine secretion and inhibits pro-inflammatory cytokine production.

Product Info

Amount :	50 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5 Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	MACGLVASNL NLKPGECLRV RGEVAPDAKS FVLNLGKDSN NLCLHFNPRF NAHGDANTIV CNSKDGGAWG TEQREAVFPF QPGSVAEVCI TFDQANLTVK LPDGYEFKFP NRLNLEAINY MAADGDFKIK CVAFD

Application Note

Endotoxin: Less than 0.1 ng/Ã‚Âµg (1 IEU/Ã‚Âµg) as determined by LAL test.
Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80Ã‚Â°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.



Human Galectin-1
Figure: 1 ug under (+) reducing and (-) non-reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human Galectin-1 has a predicted MW of 14.5 kDa.

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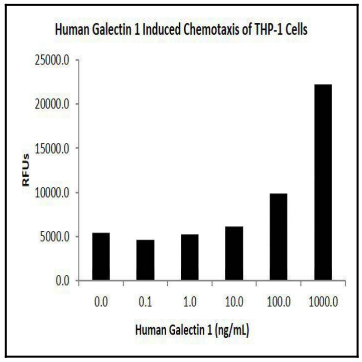

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