Active Recombinant Human LGALS9 protein, His-tagged

Cat. No. LGALS9-151H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human LGALS9 protein(O00182)(1~355 aa), fused with N-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-355 aa
Form	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	Galectin 9 (GAL9) is a member of the β-galactoside–binding galectin family. Galectin-9 is found outside of cells and may be exported by non-classical pathways. Galectin 9 exhibits a variety of biological activities, the majority of which have focused on its immunomodulatory role toward lymphocytes, were it shows specific interactions with TIM-3, and can negatively regulate Th1 type immunity. It also can agglutinate red blood. In this case, we chose rabbit erythrocyte (RaE) to assay its ability of agglutination. A general procedure for hemagglutination assay (or haemagglutination assay; HA) is as follows, two-fold dilute the recombinant human GAL9 with 0.9% sodium chloride injection, add 50μL a serial dilution of GAL9 to each well of a U or V-bottom shaped 96-well microtiter plate. The final well serves as a negative control with no GAL9, replace with 50μL 0.9% sodium chloride injection. Then add 50μL 1% rabbit erythrocyte to each well and mixed gently. The plate is incubated for 3 hours at

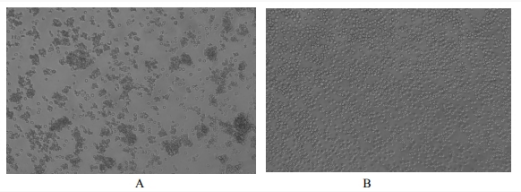
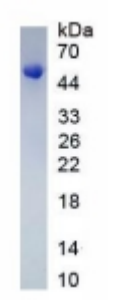
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	room temperature. The results were shown. It was obvious that the minimal effective concentration of GAL9 is 3.125 μg/mL.
Molecular Mass	41.2kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method).
Purity	> 95% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	LGALS9 lectin, galactoside-binding, soluble, 9 [Homo sapiens]
Official Symbol	LGALS9
Synonyms	LGALS9; lectin, galactoside-binding, soluble, 9; galectin-9; galectin 9; LGALS9A; gal-9; ecalectin; tumor antigen HOM-HD-21; urate transporter/channel protein; HUAT; MGC117375; MGC125973; MGC125974;
Gene ID	3965
mRNA Refseq	NM_002308
Protein Refseq	NP_002299

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

MIM	601879
UniProt ID	O00182
Activity	
SDS-PAGE	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA