Active Recombinant Rat Lgals9 protein, His-tagged

Cat. No. Lgals9-435R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rat Lgals9 protein(P97840)(17~147 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Rat
Source	E.coli
ProteinLength	17-147 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 Rat 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 room

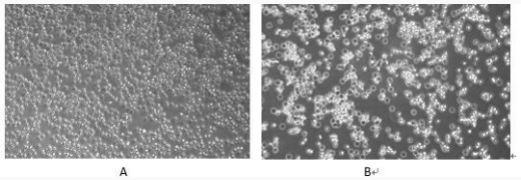
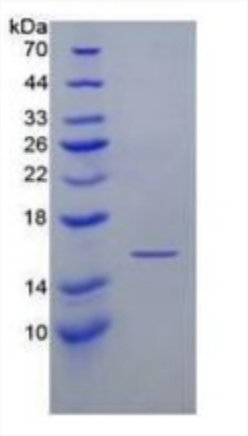
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	temperature. The results are shown. It was obvious that the minimal effective concentration of GAL9 is 6.25 μg/mL.
Molecular Mass	16.3kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method).
Purity	> 97% 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 [Rattus norvegicus]
Official Symbol	Lgals9
Synonyms	LGALS9; lectin, galactoside-binding, soluble, 9; galectin-9; UAT; gal-9; urate transporter/channel; 36 kDa beta-galactoside-binding lectin; Lectin galactose binding soluble 9 (Galectin-9); Lectin, galactose binding, soluble 9 (Galectin-9);
Gene ID	25476
mRNA Refseq	NM_012977
Protein Refseq	NP_037109

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Activity	
SDS-PAGE	

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