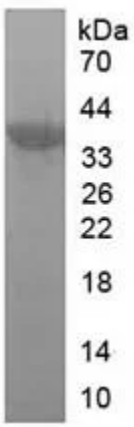
Active Galectin 6 (GAL6)

Catalog#:PEM12341

概述（Summary）

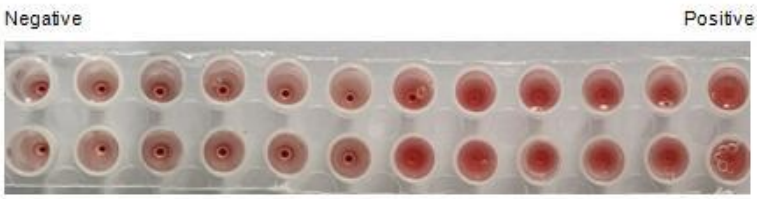
别称（Alternative Names）	LGALS6; Lectin,Galactoside-Binding Soluble 6
纯度（Purity）	Greater than 97% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
蛋白构建（Construction）	【Met1-Ile301】
Accession #	O54891
表达宿主（Host）	E.coli
种属（Species）	Mus musculus (Mouse)
预测分子量（Predicted MW）	37.8 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

电泳图（SDS-PAGE image）



Greater than 97% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）



Galectin-6(GAL6) is a protein that in humans is encoded by the LGALS6 gene. The galectins constitute a large family of carbohydrate-binding proteins with specificity for N-acetyl-lactosamine-containing glycoproteins. At least 14 mammalian galectins, which share structural similarities in their carbohydrate recognition domains (CRD), have been identified. Galectin-6 may also be involved in cell-cell and cell-matrix interactions and exogenous galectin has been found to accelerate the re-epithelialization of wounds. It 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 Mu GAL6 with 0.9% sodium chloride injection, add 50μL a serial dilution of GAL6 to each well of a U or V-bottom shaped 96-well microtiter plate. The final well serves as a negative control with no GAL6, 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 temperature. The results are shown in Figure 1. It was obvious that the minimal effective concentration of GAL6 is 3.125 μg/mL. Figure 2. The hemagglutination assay of GAL6 in V- bottom shaped 96-well microtiter plate.

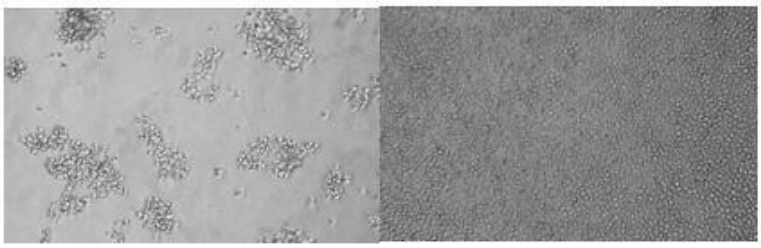


Figure 1. The hemagglutination of recombinant Mu GAL6
(A) Rabbit erythrocyte agglutinated by recombinant mouse GAL6;
(B) Rabbit erythrocyte without recombinant mouse GAL6.

注意事项（Note）

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