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Product datasheet for LY300223

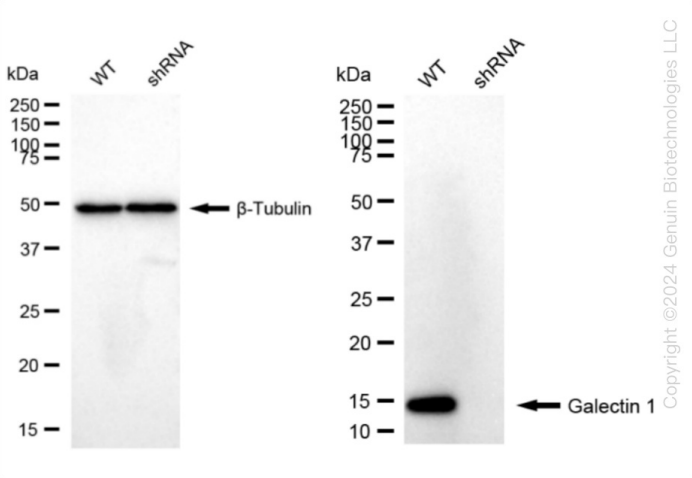
Galectin 1 (LGALS1) Human Knockdown Lysate

Product data:

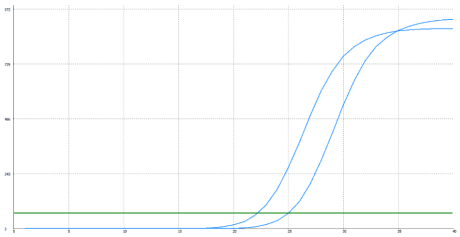
Product Type:	Knockdown Lysates
Description:	WB-validated LGALS1 Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	LGALS1; Galectin 1; GBP; Lectin, Galactoside-Binding, Soluble, 1; Beta-Galactoside-Binding Lectin L-14-I; Putative MAPK-Activating Protein PM12; 14 KDa Laminin-Binding Protein; Lactose-Binding Lectin 1; S-Lac Lectin 1; 14 KDa Lectin; Galectin-1; Galaptin; HLBP14; Gal-1; HBL; HPL; Epididymis Secretory Sperm Binding Protein; Beta-Galactoside-Binding Protein 14kDa; Lectin Galactoside-Binding Soluble 1; GAL1
Predicted MW:	15 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug LGALS1 KD HeLa cell lysate
Storage:	Store at -20 ℃ for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	3956
UniProt ID:	P09382
Protein Families:	Druggable Genome

View online »

Product images:



Western blotting analysis. LGALS1 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies against LGALS1 and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.



Genotype	Ct Value
Wild-Type	22.07
Knock-Down	24.94
ΔCt (Ct_{KD}-Ct_{WT})	2.87
% mRNA Reduction	⬇ 86%

RT-qPCR analysis. HeLa cells were infected with LGALS1-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.