9051 Mira Mesa Blvd, #910094
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LGALS8 Mouse

Galectin-8 Mouse Recombinant
GRF0245

Product Overview

Name	LGALS8 Mouse
Description	
Galectin-8 Mouse Recombinant	
Accession (Primary)	Q9JL15
Synonyms	
Galectin-8, Gal-8, LGALS-8, AI326142, D13Ertd524e, 1200015E08Rik.	
Introduction	
LGALS8 is a prostate-specific antigen that is solely overexpressed in malignant tumors and thus is a supplementary specific identifier of malignancies. LGALS8 is part of the galectin gene family which facilitates both cell-cell and cell matrix interactions in a method parallel to the selectin subgroup of C-type lectins.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The LGALS8 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MLSLNNL QNIIYNPIIP YVGTITEQLK PGSLIVIRGH VPKDSERFQV DFQLGNSLKP RADVAFHFNP RFKRSSCIVC NTLTQEKWGW EEITYDMPFR KEKSFEIVFM VLKNKFQVAV NGRHVLLYAH RISPEQIDTV GIYGKVNIHS IGFRFSSDLQ SMETSALGLT QINRENIQKP GKLQLSLPFE ARLNASMGPG RTVVIKGEVN TNARSFNVDL VAGKTRDIAL HLNPRLNVKA FVRNSFLQDA WGEEERNITC FPFSSGMYFE MIIYCDVREF KVAINGVHSL EYKHRFKDLS SIDTLSVDGD IRLLDVRSW.	
Biological Activity	

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The ED 50 for this effect is ≤ 2ug/ml. Measured by its ability to agglutinate human red blood cells.

Assay Conditions

1. Mix equal volumes of human blood and Alsever’s solution (pH 7.0). (Alsever’s solution: NaCl 0.42g, Sodium citric acid 0.8g, Citric acid 0.055g, D-glucose 2.05g in DW100 ml). 2. Centrifuge at 15000rpm for 10 minutes and wash 4 times with PBS. 3. Dilute packed cells in a 0.5mg/ml trypsin-EDTA solution to give 4% red cell suspension. 4. Incubate for 1 hour at 37°C and wash 4 times with PBS. 5. Dilute packed cells in PBS to give a 4% red cell suspension. 6. Load 50 µl of 0.5%BSA-in-0.15M-NaCl solution and 25 µl of 4%-Red-Cell-in-PBS in U shaped wells. 7. Add 25 µl of serial diluted galectin protein in PBS to each well plate (Round bottom 96 well plate). 8. Incubate for 30 minutes at room temperature to observe visible agglutination.

Precautions

LGALS8 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9JL15)