

# Recombinant Human LGALS9 Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** LGALS9-471HAF647    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 647 conjugated recombinant human LGALS9 (NP_002299.2) (Ala2-Thr323) was expressed with the Fc region of human IgG1 at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ala2-Thr323 554
<b>Description</b>	The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The protein encoded by this gene is an S-type lectin. It is overexpressed in Hodgkin's disease tissue and might participate in the interaction between the H&RS cells with their surrounding cells and might thus play a role in the pathogenesis of this disease and/or its associated immunodeficiency. Multiple alternatively spliced transcript variants have been found for this gene.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	61.8 kDa
<b>N-terminal Sequence Analysis</b>	Glu

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<b>Endotoxin</b>	< 1.0 EU/ µg protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -70 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	Alexa Fluor 647

## GENE INFORMATION

<b>Gene Name</b>	LGALS9 lectin, galactoside-binding, soluble, 9 [ Homo sapiens ]
<b>Official Symbol</b>	LGALS9
<b>Synonyms</b>	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;

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<b>Gene ID</b>	3965
<b>mRNA Refseq</b>	NM_002308
<b>Protein Refseq</b>	NP_002299
<b>MIM</b>	601879

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