

Datasheet for ABIN5624579

Surface Lipoprotein p27 Protein[Go to Product page](#)**4** Images

Overview

Quantity:	100 µg
Target:	Surface Lipoprotein p27
Origin:	Borrelia burgdorferi
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	ELISA, Western Blotting (WB)

Product Details

Purification:	Surface Lipoprotein p27 is a fusion protein with an MBP tag and was expressed in E.coli. Analysis by SDS-PAGE resulted in a pattern consistent with purified Surface Lipoprotein p27 and was estimated to be greater than 95% pure.
Sterility:	Sterile filtered

Target Details

Target:	Surface Lipoprotein p27
Gene ID:	1194336
UniProt:	O50951

Application Details

Application Notes:	Application Note: Surface Lipoprotein p27 is suitable as a control in immunological assays. Specific conditions for reactivity should be optimized by the end user. Expect a band at 73.3
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Application Details

kDa for p27-MBP, (30.9 kDa for p27 and 42.4 kDa for MBP) in size corresponding to Surface Lipoprotein p27 by Western blotting in the appropriate cell lysate or extract.

Western Blot Dilution: User Optimized

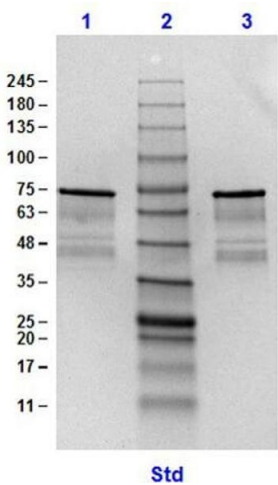
ELISA Dilution: User Optimized

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Dilute only prior to immediate use.
Expiry Date:	6 months

Images



SDS-PAGE

Image 1. SDS PAGE Results of Surface Lipoprotein p27 Control Protein. Lane 1: p27 Control Protein Reduced [1.0 µg]. Lane 2: Opal Prestained Molecular Weight Marker (p/n MB-210-0500). Lane 3: p27 Control Protein Non-Reduced [1.0 µg]. 4-20 % Gel, Coomassie Stained.

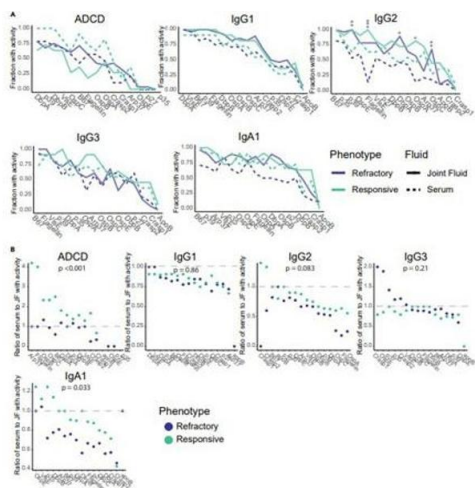
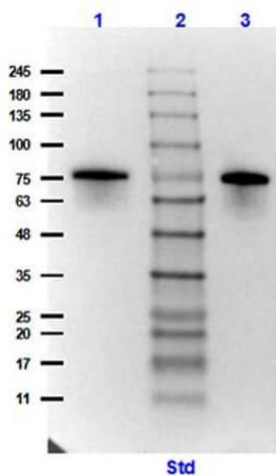


Image 2. Antigen-specific IgG2, IgA1, and ADCD partitioning between compartments differs significantly across disease phenotypes. (A) Fraction of samples with non-zero measurements for ADCD, IgG1, IgG2, IgG3, and IgA1 for refractory (dark blue) and responsive (green) patients in the serum (dashed line) and joint fluid (solid line) for each antigen. Significant differences in distribution of non-zero measurements between fluids as assessed by a Fisher's exact test are denoted as * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$ for refractory (dark blue) and responsive (green) samples after correction for multiple hypothesis testing via Benjamini-Hochburg. (B) Ratio of fraction of serum samples with non-zero measurements to fraction of joint fluid samples with non-zero measurements for ADCD, IgG1, IgG2, IgG3, and IgA1 for refractory (dark blue) and responsive (green) patients for each antigen. Significant differences in distributions of ratios between phenotypes are assessed by a Mann-Whitney nonparametric test, then corrected for multiple hypothesis testing via Benjamini-Hochburg. CRASP1, CRASP2, DbpA, DbpB, Arp37, flagellin, OspA, OspB, OspC, OspE, p27, p35, p39, VlsE: Rockland antigens. Fig 6. PMID: 38303696.



Western Blotting

Image 3. Western Blot Results of Surface Lipoprotein p27 Control Protein. Lane 1: p27 Control Protein Reduced [0.1 μ g]. Lane 2: Opal Prestained Molecular Weight Marker (p/n MB-210-0500). Lane 3: p27 Control Protein Non-Reduced [0.1 μ g]. Primary Antibody: Rabbit Anti-p27 (p/n 200-401-C30) at 1 μ g/mL overnight at 2-8 $^{\circ}$ C. Secondary Antibody: Goat Anti-Rabbit IgG HRP MX10 (p/n 611-103-122) at 1:70,000 for 30 min at RT. Block: BlockOut Buffer (p/n MB-073) for 30 mins at RT. Predicted MW: ~73.3 kDa.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5624579.