



Sales Enquires: sales@absoluteantibody.com
Support Queries: support@absoluteantibody.com
Tel: +44 (0) 1642 688810
Fax: +44 (0) 1642 688815
absoluteantibody.com

Recombinant MERS S1-camel Fc-Fusion Protein

Cat No: Pr00251

Product Summary

Description: Recombinant MERS S1-camel Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

Protein: MERS-CoV spike protein S1

Fc domain species: Camel

Alternative Description: MERS coronavirus spike protein S1; MERS-CoV S1; S1; coronavirus spike protein S1

Activity: S1 is a part of the spike glycoprotein and it mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor.

Product Form

Purification: Purified by affinity chromatography.

Supplied in: PBS

Storage Recommendation: Recommended storage at 4°C for up to 1 month. For longer term storage store at -20°C or -80°C in appropriate sized aliquots.

Lot no: T2017B21

Concentration: 1 mg/ml

Quantity: 16 mg

Molecular weight: 215745.42 Da

Extinction coefficient: 270380 M⁻¹ cm⁻¹ (calculation performed as in Pace et al, 1995).

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals

Endotoxin: <0.050 EU/mg as determined by LAL chromogenic endotoxin assay:



Detailed Endotoxin Cartridge Report: CRL-19461097-420200505-001

ASSAY INFORMATION:

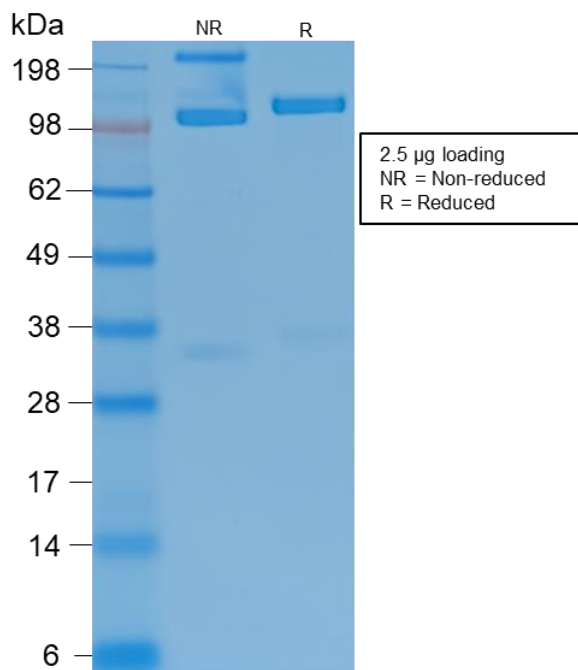
Assay Name: CRL-19461097-420200505-001	
Analyst: AbAb_user	Assay Date/Time: 05/05/2020 09:28:19 UTC+01:00
Lab Name: N/A	
Instrument Type: nexgen PTS/MCS	Instrument Serial Number: 19461123

SAMPLE RESULTS:

Serial Number/Bay: MCS 19461097/4		Start/End Temp (°C): 37.0:37.0	
Sample Name: Pr00251			
Sample ID: N/A	Sample Lot: T2017B21	Dil./Conc.: 1.00 mg/mL	
Sample Comments: N/A			
Cartridge Lot Number: 6513164		Cartridge Range: 5-0.05 EU/mL	
Calibration Code: 513836555171		Archived Spike Concentration: 0.71 EU/mL	
Range: 138-765 seconds		Y-Intercept: +2.400	Slope: -0.372
Endotoxin Value: <0.051 EU/mg	Sample CV Limit: <25%	Status: VALID	
Endotoxin Limit: <1 EU/mg	Status: VALID	Spike CV Limit: <25%	Status: VALID
Alert Limit: N/A	Spike Recovery Range: 50-200%		Status: VALID

SAMPLE DATA				SPIKE DATA				
Channel	Reaction Time	CV%	Sample Value	Channel	Reaction Time	CV%	Spike Value	Spike Recovery %
1	>765	1.0 %	<0.051 EU/mg	2	262	2.1 %	0.805 EU/mL	113 %
3	754			4	270			

SDS PAGE gel image:



Pr00439 under non-reducing and reducing (DTT) conditions resolved by SDS-PAGE and stained using Coomassie-Blue (representative data – lot no: T2017B21) .

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Full protein sequence:

YVDVGPDSVKSACIEVDIQQTFFDKTWPRPIDVSKADGIIYPQGRYTSNITITYQGLFPYQGDHGDYVYSAGHATGTTTPQKLFVANYS
QDVKQFANGFVVRIGAAAANSTGTVIIISPSTSATIRKIYPAFMLGSSVGNFSDGKMGRFFNHTLVLLPDGCGTLLRAFYCILEPRSGNHCP
AGNSYTSFATYHTPATDCSDGNYNRNASLNSFKEYFNLRNCTFMYTYNITEDEILEWFGITQTAQGVHLFSSRYVDLYGGNMFQFATL
PVYDTIKYYSIIPHSIRSISDRKAWAAFYVYKQLPLTFLLDFSVDGYIRRAIDCGFNDLSQLHCSYESFDVESGVYSVSSFEAKPSGSVVEQ
AEGVECDFSPLLSGTPPQVYNFKRLVFTNCNYNLTKLLSLFSVNDFTCSQISPAAIASNCYSSLILDYFSYPLSMKSDLGVSSAGPISQFNYK
QSFSNPTCLILATVPHNLTTITKPLKYSYINKCSRLSDDRTEVPQLVNANQYSPCVSIVPSTVWEDGDYRQKLSPLEGGGWLVASGST
VAMTEQLQMFGFQITVQYGTDTNSVCPKLEFANDTKIASQLGNCVEYSLYGVSGRGVFNCTAVGVRQRFVYDAYQNLVGYYSDD
GNYYCLRACVSVPSVIYDKETKTHATLFGSVACEHISSTMSQYSRSTRSMLKRRDSTYGPLQTPVGCVLGLVNSSLFVEDCKLPLGQSL
CALPDTPTLTPRSVRSVPGEMRLAGGGGSGGGGSTCPKCPAPELPGGPSVVFVPPKPKDVLMISSRPEVTCVVVDVGQEDPEVNFN
WYIDGVEVRTANTKPKEEQFNSTYRVVSVLTIQHQDWLTGKEFKCKVNNKALPAPIERTISKAKGQTTREPQVYTLAPHREELAKDTVN
VTCLVKGFYPPDINVEWQRNGQPESEGAYATLPPQQDNDGTYFLYSKLSVKGKNTWQQGETFTCVVMHEALHNHHTQKSITQSSG

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