



# Meridian

## Life Science,® Inc.

Innovative Solutions. Trusted Partner.®

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### CERTIFICATE OF ANALYSIS

**Catalog #:** VTI530 **Lot #** M33160019

**Description:** HSV-2gG, Recombinant  
HSV-2 specific and unique sequences (not present in HSV-1) fused with human superoxide dismutase 1 (SOD1). The recombinant protein reacts with anti-human SOD1 and anti-HSV-2 gG2 antibodies.

**Source:** *Saccharomyces cerevisiae*  
Product manufactured in the United States using materials processed in U.S. facilities. No materials of animal origin.

**Format:** Purified Liquid **Exp. Date:** 09 OCT 2023

**Protein Concentration:** Pierce BCA Assay:  
Acceptable Range: 1.0 – 3.0 mg/mL  
Testing Results: 2.64 mg /mL  
Testing Results: Pass

**Identity:** SDS-PAGE must demonstrate a major band migrating between 50 and 75 kDa.  
Testing Results: Pass

Immunospecificity verified by Western Blot.

**Buffer:** 50mM Sodium Phosphate Buffer containing 160mM KCl and 5mM DTT, pH 6.9 – 7.1

**Preservative:** None

**Applications:** Each laboratory should determine an optimum working titer for use in its particular application

**Storage:** Store at  $\leq -65^{\circ}\text{C}$ . Avoid multiple freeze/thaw cycles.

**Safety Notes:** Refer to the appropriate Safety Data Sheet (SDS) for additional information

  
Signature

18 February 2019

Date

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

BCA (27Sep2018)

Protein concentration determination by BCA on VT1530 (LN M33160019)

BCA Test Methods:

- 1) Standard test tube procedure at 37C for 30 minutes (50 µl sample + 1 mL reagent) (1:20 ratio)
- Standards and all dilutions prepared in PBS

Standard test tube procedure

Absolute Concentration Determination			
Sample	Dilution	562 nm (mg/mL)	[ ] w/out DF (mg/mL)
VT1530	2	High	-
VT1530	4	1.33	1.58
VT1530	5	1.08	1.27
VT1530	10	0.57	0.65
VT1530 Buffer Only	2	1.52	1.81
VT1530 Buffer Only	4	0.77	0.90
VT1530 Buffer Only	5	0.62	0.71
VT1530 Buffer Only	10	0.31	0.34

Concentration - Factoring out buffer absorbance			
Dilution	562 nm	Corrected 562 nm (factoring out buffer 562 value)	[ ] w/out DF (mg/mL)
2	High	Out of Range	-
4	1.33	0.56	0.64
5	1.08	0.46	0.52
10	0.57	0.26	0.28
<b>AVERAGE</b>			<b>2.64</b>

BSA Standards - standard test tube [ ] mg/mL	562 nm
2	1.63
1.5	1.3
1	0.87
0.75	0.67
0.5	0.47
0.25	0.24
0.125	0.12
0	0

Performed By / Date: [Signature] 27 Sep 2018

Audited By / Date: [Signature] 16 Oct 2018

BSA Standards - Standard test tube procedure

