



Recombinant SARS Matrix Protein (a.a. 182-216) [GST] (DAG1352)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant SARS-CoV Matrix protein containing 182-216 amino acids immunodominant regions was expressed in E. coli and purified by proprietary chromatographic technique.
Nature	Recombinant
Expression System	E. coli
Species	SARS
Purity	> 95% pure as determined by 10% PAGE (coomassie staining).
Conjugate	Unconjugated
Applications	SARS Matrix antigen can be used for ELISA and Western blots, excellent antigen for detection of SARS with minimal specificity problems.
Procedure	None
Format	Liquid
Size	100 µg, 500 µg, 1 mg
Buffer	50mM Tris-HCl, 60mM NaCl, and 50% glycerol.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction

SARS Coronavirus is an enveloped virus containing three outer structural proteins, namely the membrane (M), envelope (E), and spike (S) proteins. Spike (S)-glycoprotein of the virus interacts with a cellular receptor and mediates membrane fusion to allow viral entry into susceptible target cells. Accordingly, S-protein plays an important role in virus infection cycle and is the primary target of neutralizing antibodies.

Keywords

SARS Matrix Protein; SARS; SARS M Protein; SARS M