

Recombinant Orientia tsutsugamushi 56 KDA type-specific antigen

Catalog No: #AP78152

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Package Size: #AP78152-1 20ug #AP78152-2 100ug

Description

Product Name	Recombinant Orientia tsutsugamushi 56 KDA type-specific antigen
Brief Description	Recombinant Protein
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:23-521aaSequence Info:Full Length
Other Names	56 KDA scrub typhus antigen STA56 TSS56
Accession No.	P37917
Uniprot	P37917
Calculated MW	57 kDa
Tag Info	N-terminal 10xHis-tagged
Target Sequence	IEFDENSLECGPYAKVGVGGVLSGVESARLDPADSEGKKHLPLIKGMPFGVTLAAGMTITPGVRAEISAMYLM NVKAEVELGKMGSDANTGTTADASAGVIRKHKLTPPQPNIMPISIADRDIADVIPNAAGQGNVDVRAAARIAW LKNYAGIDYYVPDSNNPQGRVVPVLLNIPQGNPNPAGGGGRAAPAFDILDHAQWRDVVVGITALSNANKP NNSAVKILSDKISQIYADIKPFANVASVQISETPLPDSASVDQIQNKVQELNKVLEDVRESFDGFILNAFAQPVR LNFQIPQVVQGGQQPQAAATAQEAAAAAIRALNDGENNGIIQLYKDLKLRNVALKKSMKQLGDELGVDQ GQEGGCSKDKKQSDTTAEESKKEGKKEIEFDLHMAVGQVKLYADLFTIDSFSVYAGIGAGLAYTHGKIDGK DIKAHTGMVGLALGVAANVADGVYMDVDAGYLYSFSKIEEKYQMNAFVASAGIRYNF
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

May be an adherent factor for rickettsial adsorption to the host-cell surface and a determinant of virulence of individual rickettsial strain. It is the major outer membrane protein

References

"Diversity of immunodominant 56-KDA type-specific antigen (TSA) of Rickettsia tsutsugamushi. Sequence and comparative analyses of the genes encoding TSA homologues from four antigenic variants."Ohashi N., Nashimoto H., Ikeda H., Tamura A.J. Biol. Chem.

267:12728-12735(1992)

Research Topic:Others

Note: This product is for in vitro research use only