



Recombinant Mouse Anthrax toxin receptor 1 (Antxr1), partial

Product Code	CSB-EP001832MO-B
Abbreviation	Antxr1
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.
Uniprot No.	Q9CZ52
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	EDGGPACYGG FDLYFILDKS GSVLHHWNEI YYFVEQLAHR FISPQLRMSF IVFSTRGTTL MKLTEDREI RQGLEELQKV LPGGDTYMHE GFERASEQIY YENSQGYRTA SVIIALTDGE LHEDLFFYSE REANRSRD LG AIVYCVGVKD FNETQLARIA DSKDHVFPVN DGFQALQGII HSILKKSCIE ILAAEPSTIC AGESFQVVVR GNGFRHARNV DRVLCSEFKIN DSVTLNEKPF AVEDTYLLCP APILKEVGMK AALQVSMNDG LSFISSSVII TTTHCSDGS
Source	E.coli
Target Names	Antxr1
Protein Names	Recommended name: Anthrax toxin receptor 1 Alternative name(s): Tumor endothelial marker 8
Expression Region	31-319
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Extracellular domain
Target Details	This gene encodes a type I transmembrane protein and is a tumor-specific endothelial marker that has been implicated in colorectal cancer. The encoded protein has been shown to also be a docking protein or receptor for Bacillus anthracis toxin, the causative agent of the disease, anthrax. The binding of the protective antigen (PA) component, of the tripartite anthrax toxin, to this receptor protein mediates delivery of toxin components to the cytosol of cells. Once inside the cell, the other two components of anthrax toxin, edema factor (EF) and lethal factor (LF) disrupt normal cellular processes. Three alternatively spliced variants that encode different protein isoforms have been described.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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