

Recombinant Mouse Murinoglobulin-1(Mug1) ,partial

Catalog No: #AP71044

Package Size: #AP71044-1 20ug #AP71044-2 100ug #AP71044-3 1mg

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Description

Product Name	Recombinant Mouse Murinoglobulin-1(Mug1) ,partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:700-910aaSequence Info:Partial
Accession No.	P28665
Calculated MW	27 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	TPEISWSLRRTTLSKRPEEPPRKDPSSNDPLTETIRKYFPETWVWDIVTVNSTGLAEVEMTVPDTITIEWKAGALC LSNDTGLGLSSVPLQAFKPFVEVSLPYSVVRGEAFMLKATVMNYLPTSMQMSVQLEASPDTAVPVGDDQ DSYCLSANGRHTSSWLVTPKSLGNVNFVSVAEAQQSSEPCGSEVATVPETGRKDTVVKVLIVEPE
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

A proteinase activates the inhibitor by specific proteolysis in the bait region, which, by an unknown mechanism leads to reaction at the cysteinyl-glutamyl internal thiol ester site and to a conformational change, whereby the proteinase is trapped and,or covalently bound to the inhibitor. While in the tetrameric proteinase inhibitors steric inhibition is sufficiently strong, monomeric forms need a covalent linkage between the activated glutamyl residue of the original thiol ester and a terminal amino group of a lysine or another nucleophilic group on the proteinase, for inhibition to be effective.

References

Enhanced analysis of the mouse plasma proteome using cysteine-containing tryptic glycopeptides.Bernhard O.K., Kapp E.A., Simpson R.J.J. Proteome Res. 6:987-995(2007)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.