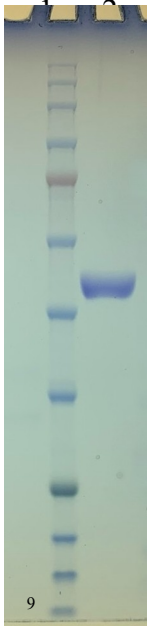
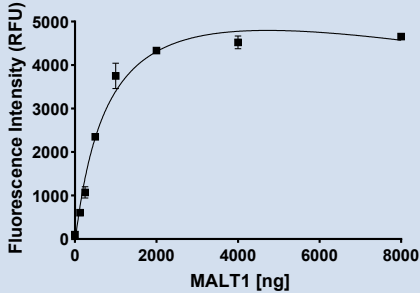


| Product Name | Recombinant Human MALT1 ^{Casp-Ig3} | <p>SDS-PAGE gel</p>  | | | | | | | | | | | | | | | | | | |
|------------------------------|--|--|------------|------------------------------|---|---|-----|------|-----|------|-----|------|------|------|------|------|------|------|------|------|
| Synonym(s) | Mucosa-associated lymphoid tissue lymphoma translocation protein 1, paracaspase-1 | | | | | | | | | | | | | | | | | | | |
| Quantity | 20 µg, 50 µg | | | | | | | | | | | | | | | | | | | |
| Lot Number | B10608 | | | | | | | | | | | | | | | | | | | |
| Concentration | 0.6 mg/ml | | | | | | | | | | | | | | | | | | | |
| Molecular weight | 44.1 kDa | | | | | | | | | | | | | | | | | | | |
| Purity | >95% by SDS-PAGE | | | | | | | | | | | | | | | | | | | |
| Tag | C-terminal 6x-His | | | | | | | | | | | | | | | | | | | |
| Expression Source | E. coli | | | | | | | | | | | | | | | | | | | |
| GenBank Accession # | NM_006785.4, a. a. 338-719 | | | | | | | | | | | | | | | | | | | |
| Application | Inhibitor screening, cleavage assays | | | | | | | | | | | | | | | | | | | |
| Formulation | 25 mM HEPES pH7.5; 300 mM NaCl; 5 mM DTT | | | | | | | | | | | | | | | | | | | |
| Storage and Stability | Stable for 12 months at -80°C, Avoid freeze/thaw cycles | <p>1 – MW Marker 2 – MALT1^{Casp-Ig3}</p> | | | | | | | | | | | | | | | | | | |
| Description | <p>MALT1 is a cysteine protease involved in numerous different signaling pathways, including T cell receptor dependent NF-κB signaling, activation of lymphocytes via antigen receptors, and activation of dendritic cells via C-type-lectin like receptors. Its role in NF-κB regulation makes it a potential therapeutic target for autoimmune disorders as well as B cell lymphoma.</p> | <p>MALT1 Activity</p>  <table border="1"> <caption>MALT1 Activity Data</caption> <thead> <tr> <th>MALT1 [ng]</th> <th>Fluorescence Intensity (RFU)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>100</td><td>1000</td></tr> <tr><td>200</td><td>2500</td></tr> <tr><td>500</td><td>3800</td></tr> <tr><td>1000</td><td>4300</td></tr> <tr><td>2000</td><td>4500</td></tr> <tr><td>4000</td><td>4500</td></tr> <tr><td>8000</td><td>4500</td></tr> </tbody> </table> | MALT1 [ng] | Fluorescence Intensity (RFU) | 0 | 0 | 100 | 1000 | 200 | 2500 | 500 | 3800 | 1000 | 4300 | 2000 | 4500 | 4000 | 4500 | 8000 | 4500 |
| MALT1 [ng] | Fluorescence Intensity (RFU) | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | | | | | | | | |
| 100 | 1000 | | | | | | | | | | | | | | | | | | | |
| 200 | 2500 | | | | | | | | | | | | | | | | | | | |
| 500 | 3800 | | | | | | | | | | | | | | | | | | | |
| 1000 | 4300 | | | | | | | | | | | | | | | | | | | |
| 2000 | 4500 | | | | | | | | | | | | | | | | | | | |
| 4000 | 4500 | | | | | | | | | | | | | | | | | | | |
| 8000 | 4500 | | | | | | | | | | | | | | | | | | | |
| Reference | <p>Rebeaud, F., et al., Nat Immunol. 2008;9(3):272-281. Lucas, P.C., et al., J Biol Chem. 2001;276(22):19012-19019.</p> | | | | | | | | | | | | | | | | | | | |

This product is for research use only and not for diagnostic or therapeutic use.