

## Product Datasheet

# Recombinant MMP3 Antibody / Rabbit Monoclonal (orb606464)

|                             |  |
|-----------------------------|--|
| <b>Catalog Number</b>       | orb606464  |
| <b>Category</b>             | Antibodies   |
| <b>Description</b>          | <p>The matrix metalloproteinases (MMP) are a family of peptidase enzymes responsible for the degradation of extracellular matrix components, including collagen, gelatin, fibronectin, laminin and proteoglycan. Transcription of MMP genes is differentially activated by phorbol ester, lipopolysaccharide (LPS) or staphylococcal enterotoxin B (SEB). MMP catalysis requires both calcium and zinc. MMP3, MMP10 and MMP11 (also designated stromelysin-1, 2 and 3, respectively) activate procollagenase. MMP3 activation of procollagenase can occur via two pathways. Direct activation by MMP3 is slow and activation by MMP3 in conjunction with tissue or plasma proteinases is rapid. MMP10 is expressed in small intestine, and at lower levels in lung and heart. MMP11 is specifically expressed in stromal cells of breast carcinomas and contributes to epithelial cell malignancies.</p> |
| <b>Clonality</b>            | Recombinant  |
| <b>Species/Host</b>         | Rabbit   |
| <b>Isotype</b>              | Rabbit IgG, kappa  |
| <b>Conjugation</b>          | Unconjugated   |
| <b>Reactivity</b>           | Human  |
| <b>Buffer/Preservatives</b> | 0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide   |
| <b>Purification</b>         | Protein A affinity chromatography  |
| <b>Immunogen</b>            | Amino acids 317-327 were used as the immunogen for the recombinant MMP3 antibody.  |

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

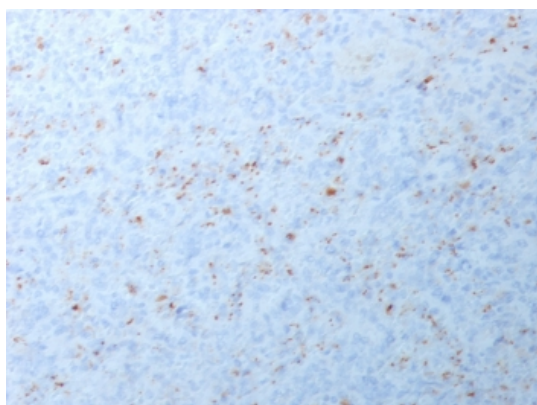
**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

|                            |  |
|----------------------------|--|
| <b>UniProt ID</b>          | <b>P08254</b>  |
| <b>Tested applications</b> | ELISA, FACS, WB  |
| <b>Dilution range</b>      | ELISA (order BSA/sodium azide-free format for coating), Flow cytometry: 1-2ug/10 <sup>6</sup> cells, Western blot: 0.5-1ug/ml  |
| <b>Application notes</b>   | Optimal dilution of the recombinant MMP3 antibody should be determined by the researcher. 1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min. |
| <b>Antibody Type</b>       | Primary Antibody   |
| <b>Clone Number</b>        | MMP3/1994R   |
| <b>Storage</b>             | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.  |
| <b>Note</b>                | For research use only  |
| <b>Expiration Date</b>     | 12 months from date of receipt.  |



IHC testing of FFPE human spleen with recombinant MMP3 antibody (clone MMP3/1994R). Required HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

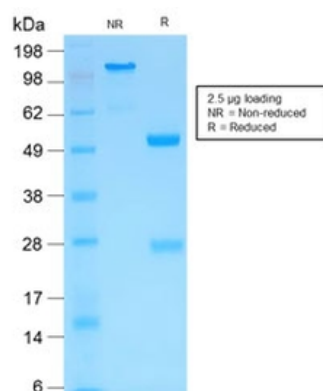
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)



SDS-PAGE analysis of purified, BSA-free recombinant MMP3 antibody (clone MMP3/1994R) as confirmation of integrity and purity.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)