



TEL:4006-871-227 Web:www.ybio.net Email:shybio@126.com

YBA099Ra01 10 μ g
Recombinant Matrix Metalloproteinase 13 (MMP13)
Organism Species: *Rattus norvegicus* (Rat)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]

Residues: Arg62~His217

Tags: N-terminal His-Tag

Accession: P23097

Host: *E. coli*

**Subcellular Location: Secreted, extracellular space,
extracellular matrix.**

Purity: >90%

Endotoxin Level: <1.0EU per 1 μ g
(determined by the LAL method).

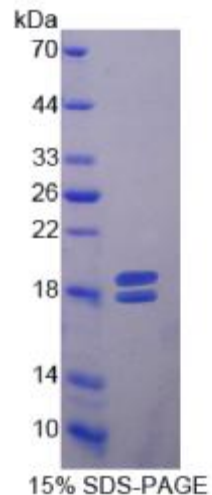
**Formulation: Supplied as lyophilized form in 10mM PBS,
pH7.4, containing 1mM DTT, 5% trehalose, 0.01%
sarcosyl and preservative.**

Predicted isoelectric point: 6.1

Predicted Molecular Mass: 19.1kDa

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)



[USAGE]



TEL: 4006-

871-

227 Web: www.ybio.net Ema

il: shybio@126.com

Reconstitute in sterile ddH₂O.



[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The sequence of the target protein is listed below.

RLREMQSFF GLDVTGKLDD PTLDIMRKPR CGVPDVG VYN VFPRTLKWSQ TNLTYRIVNY
TPDISHSEVE KAFRKAFKVV SDVTPLNFTR IHGDTADIMI SFGTKEHGDF YPFDGPGSLL
AHAFPPGPNL GGDAHFDDDE TWTSSSKGYN LFIVA AH

[REFERENCES]

1. Quinn C.O., *et al.* (1990) *J. Biol. Chem.* 265:22342-22347.
2. Sasano Y., *et al.* (2002) *J. Histochem. Cytochem.* 50:325-332.
3. Shum J.K., *et al.* (2002) *J. Biol. Chem.* 277:42830-42840.
4. Nishio T., *et al.* (2003) *J. Hepatol.* 38:468-475.