EPA553Mu51 100ug

Eukaryotic Matrix Metalloproteinase 9 (MMP9)

Organism Species: Mus musculus (Mouse)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[UNDERLINE PROPERTIES]

Source: Eukaryotic expression.

Host: Yeast

Residues: Ser225~Ser413

Tags: N-terminal His Tag

Homology: Human 72%, rat 82%

Tissue Specificity: Spleen, lung, brain, heart.

Subcellular Location: Extracellular matrix.Secreted.

Purity: >95%

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

Traits: Freeze-dried powder

Buffer Formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Predicted isoelectric point: 5.7

Predicted Molecular Mass: 22.1kDa

Accurate Molecular Mass: 22kDa as determined by SDS-PAGE reducing conditions.

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling.

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

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37ºC for 48h, and no obvious degradation and precipitation were observed.The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

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                          SNGAPC HFPFTFEGRS YSACTTDGRN
DGTPWCSTTA DYDKDGKFGF CPSERLYTEH GNGEGKPCVF PFIFEGRSYS
ACTTKGRSDG YRWCATTANY DQDKLYGFCP TRVDATVVGG NSAGELCVFP
FVFLGKQYSS CTSDGRRDGR LWCATTSNFD TDKKWGFCPD QGYSLFLVAA
HEFGHALGLD HSS
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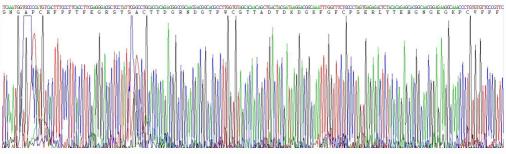
[IDENTIFICATION]

Figure 1. Gene Sequencing (extract)

kDa
70
44
33
26
22
18
14
10

Figure 2. SDS-PAGE