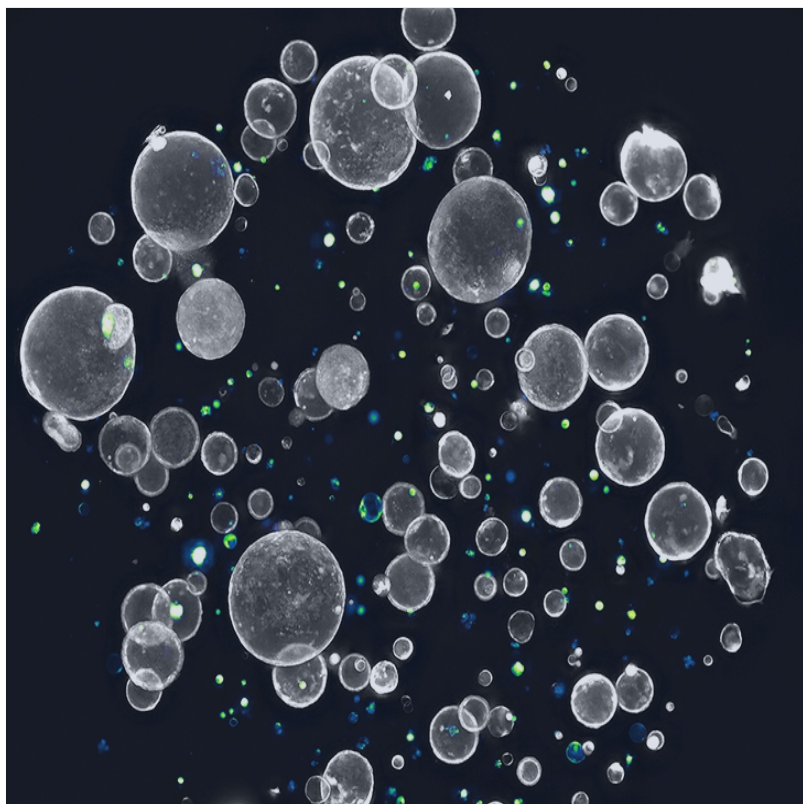


基质金属蛋白酶 相关指标产品



蛋白 ✓

抗体 ✓

ELISA试剂盒 ✓

10+ | 物种

23 | MMPs相关指标

100 | 相关产品

330 | SCI文献

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基质金属蛋白酶（Matrix Metalloproteinase 1, MMP1）是一类需要锌和钙来表达催化活性的内源性蛋白酶家族。这些酶在维持和重建细胞外基质中起着中心作用。MMPs与各种退行性疾病有关，包括关节炎、心血管疾病、骨骼增长板障碍和癌症转移。MMPs在肿瘤中的作用机制非常复杂，在肿瘤发生、生长、血管生成及转移的多个阶段均发挥作用。

分类	主要成员
胶原酶	MMP1, MMP8, MMP13, MMP18
明胶酶	MMP2, MMP9
间质溶解素	MMP3, MMP7, MMP10, MMP11
膜型基质金属蛋白酶	MMP14, MMP15, MMP16, MMP17, MMP24, MMP25
其他	MMP12, MMP19, MMP20, MMP26

1、相关产品发表优秀文献（节选）

检测指标	检测物种	核心货号	杂志名称	影响因子	Pubmed 编号	发表单位
MMP1	人	A097	European Journal of Heart Failure	23.425	29709099	卡洛斯三世健康研究所 (CIBERCV)
MMP7	人	A102	Science Translational Medicine	16.796	29167395	辛辛那提儿童医院医学中心和辛辛那提大学医学院小儿科
MMP14	小鼠	C056	Cancer Research	8.556	23423981	塔夫茨医学中心分子肿瘤研究所
MMP3	小鼠	A101	Theranostics	8.537	29774078	中国药科大学药学院药学系
MMP2	人	A100	Nanotoxicology	6.428	28714804	天津市环境修复与污染控制重点实验室

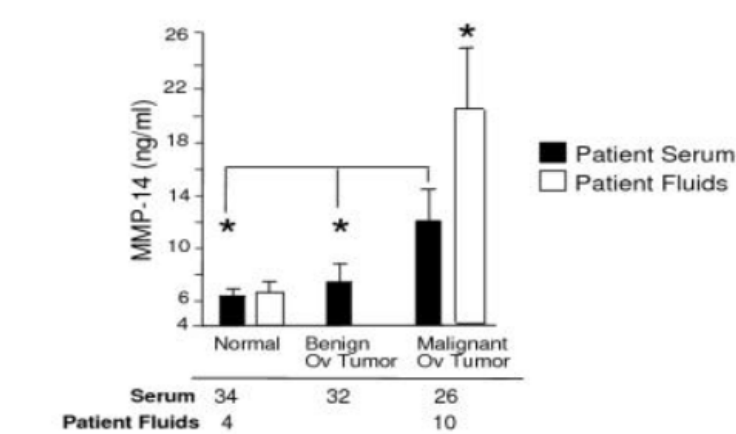


Figure. Serum samples were collected from females with malignant ovarian cancer (n= 26), females with benign ovarian masses (n= 32) and normal females (n= 34) and **MMP14** cellular exodomain levels were measured by ELISA. (Kaimal R,2014)
(Product No.: SEC056Hu Sample type: Serum)

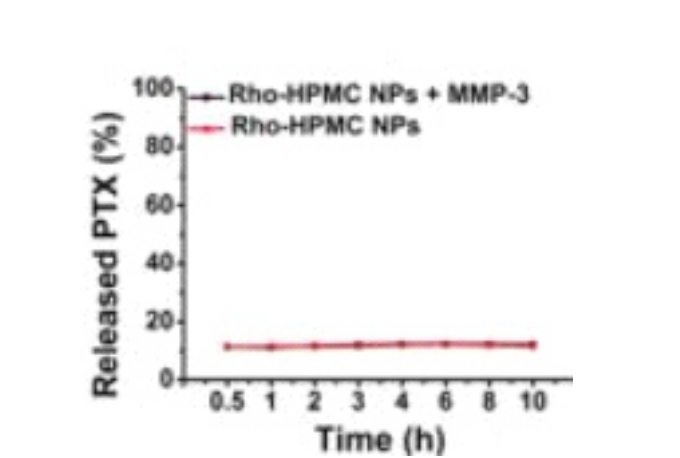


Figure. PTX release profiles in pH 6.5 PBS containing a 5 µg/mL **MMP3** at 37 °C. (Lv Y, 2018)
(Product No.: RPA101Hu01 Sample type: Mixed solution)

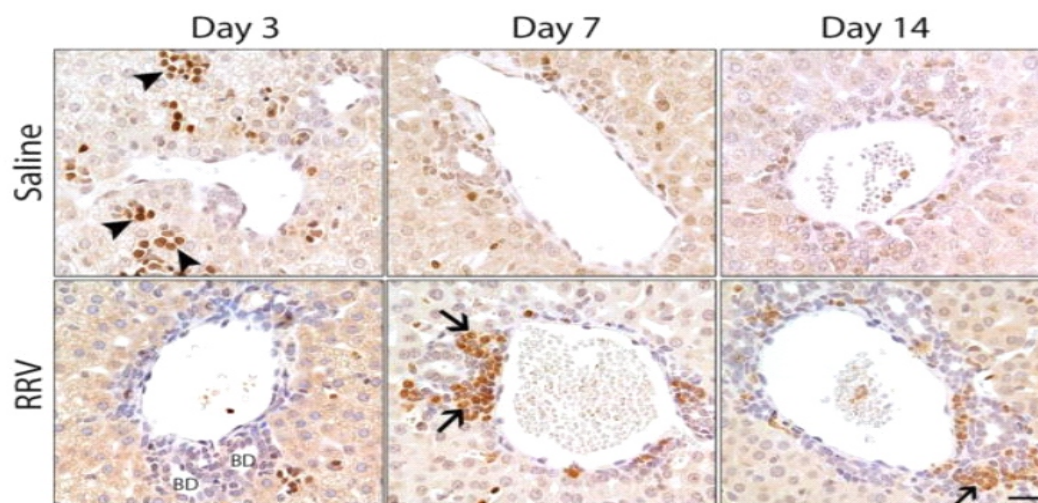


Figure. Immunohistochemistry detects **MMP7 in hematopoietic cells (arrowheads) predominantly at day 3, and inflammatory cells (arrows) infiltrating the portal tracts at day 7 and 14 after RRV injection. There was no staining of intrahepatic bile duct epithelium (BD). (Lertudomphonwanit C, 2017)**
(Product No.:PAA102Hu01 Sample type: Hematopoietic cell)

2、近年来相关产品SCI文献统计（节选）

基质金属蛋白酶9/Matrix Metalloproteinase 9 (**MMP9**)

产品类型	适用物种	SCI 文献总量
蛋白、抗体、ELISA 试剂盒	人、大鼠、小鼠、猴、兔、猪、马、牛、狗	82 篇

文献节选：

1. Li P, Sun Y, Liu Q, et al. MicroRNA-340 induces apoptosis and inhibits metastasis of ovarian cancer cells by inactivation of NF- κ B;B1[J]. Cellular Physiology and Biochemistry, 2016, 38(5): 1915-1927. (IF=5.104)
2. Bai Z, Wang J, Wang T, et al. The MiR-495/Annexin A3/P53 axis inhibits the invasion and EMT of colorectal cancer cells[J]. Cellular Physiology and Biochemistry, 2017, 44(5): 1882-1895. (IF=5.104)
3. Corrado C, Saieva L, Raimondo S, et al. Chronic myelogenous leukaemia exosomes modulate bone marrow microenvironment through activation of epidermal growth factor receptor[J]. Journal of Cellular and Molecular Medicine. 2016, 20(10):1829-39. (IF=4.938)

基质金属蛋白酶2/Matrix Metalloproteinase 2 (**MMP2**)

产品类型	适用物种	SCI 文献总量
蛋白、抗体、ELISA 试剂盒	人、大鼠、小鼠、兔、猪、鸡、马	67 篇

文献节选：

1. Zou W, Zhang X, Zhao M, et al. Ultrasensitive photoelectrochemical immunoassay for CA19-9 detection based on CdSe@ZnS quantum dots sensitized TiO₂NWs/Au hybrid structure amplified by quenching effect of Ab2@V(2+) conjugates[J]. Biosens Bioelectron, 2016, 77: 339-46 (IF=7.476)
2. Kubler A, Luna B, Larsson C, et al. Cellular proliferation and differentiation induced by single-layer molybdenum disulfide and mediation mechanisms of proteins via the Akt-mTOR-p70S6K signaling pathway[J]. Nanotoxicology, 2017, 11(6): 781-793. (IF=6.428)
3. Li P, Sun Y, Liu Q, et al. MicroRNA-340 Induces apoptosis and inhibits metastasis of ovarian cancer cells by inactivation of NF- κ B;B1.[J]. Cellular Physiology and Biochemistry, 2016, 38(5): 1915-1927. (IF=5.104)

基质金属蛋白酶13/Matrix Metalloproteinase 13 (MMP13)

产品类型	适用物种	SCI 文献总量
蛋白、抗体、ELISA 试剂盒	人、大鼠、小鼠、兔、猪、鸡、羊、马、牛、狗	37 篇
文献节选： 1. Wang S, Wei X, Zhou J, et al. Identification of Alpha 2 Macroglobulin (A2M) as a master inhibitor of cartilage degrading factors that attenuates post-traumatic osteoarthritis progression[J]. Arthritis & Rheumatism, 2014, 66(7). (IF=6.009) 2. Momma D, Onodera T, Homan K, et al. Coordinated existence of multiple gangliosides is required for cartilage metabolism[J]. Osteoarthritis and Cartilage, 2019, 27(2): 314-325. (IF=5.454) 3. Portron S, Hivernaud V, Merceron C, et al. Inverse regulation of early and late chondrogenic differentiation by oxygen tension provides cues for stem cell-based cartilage tissue engineering[J]. Cellular Physiology and Biochemistry, 2015, 35(3): 841-857. (IF=4.652)		

基质金属蛋白酶1/Matrix Metalloproteinase 1 (MMP1)

产品类型	适用物种	SCI 文献总量
蛋白、抗体、ELISA 试剂盒	人、大鼠、小鼠、兔、猪、鸡、羊、马、牛、狗	24 篇
文献节选： 1. Ravassa S, Trippel T, Bach D, et al. Biomarker-based phenotyping of myocardial fibrosis identifies patients with heart failure with preserved ejection fraction resistant to the beneficial effects of spironolactone: results from the Aldo-DHF trial [J]. European Journal of Heart Failure, 2018, 20(9): 1290-1299. (IF=23.425) 2. Kubler A, Luna B, Larsson C, et al. Mycobacterium tuberculosis dysregulates MMP/TIMP balance to drive rapid cavitation and unrestrained bacterial proliferation[J]. The Journal of Pathology, 2015, 235(3): 431-444. (IF=7.381) 3. Zhang Y, Wang L, Bai L, et al. Effect of ebosin on modulating interleukin-1β-induced inflammatory responses in rat fibroblast-like synoviocytes[J]. Cellular & Molecular Immunology, 2016, 13(5): 584-592. (IF=5.897)		

基质金属蛋白酶3/Matrix Metalloproteinase 3 (MMP3)

产品类型	适用物种	SCI 文献总量
蛋白、抗体、ELISA 试剂盒	人、大鼠、小鼠、兔、猪、鸡、马、牛、狗	23 篇
文献节选： 1. Lv Y, Zhao X, Zhu L, et al. Targeting intracellular MMPs efficiently inhibits tumor metastasis and angiogenesis.[J]. Theranostics, 2018, 8(10): 2830-2845. (IF=8.537) 2. Zhang Y, Wang L, Bai L, et al. Effect of ebosin on modulating interleukin-1β-induced inflammatory responses in rat fibroblast-like synoviocytes[J]. Cellular & Molecular Immunology, 2016, 13(5): 584-592. (IF=6.428) 3. Agnes J T, Zekarias B, Shao M X, et al. Bovine Respiratory Syncytial Virus and Histophilus somni Interaction at the Alveolar Barrier[J]. Infection and Immunity, 2013, 81(7): 2592-2597.		

3、云克隆在销相关指标产品

指标	核心货号	产品类型	指标	核心货号	产品类型
MMP1	A097	ELISA 试剂盒、抗体、蛋白	MMP16	B533	ELISA 试剂盒、抗体、蛋白
MMP2	A100	ELISA 试剂盒、抗体、蛋白	MMP17	B846	ELISA 试剂盒、抗体、蛋白
MMP3	A101	ELISA 试剂盒、抗体、蛋白	MMP19	B853	ELISA 试剂盒、抗体、蛋白
MMP7	A102	ELISA 试剂盒、抗体、蛋白	MMP20	B855	抗体、蛋白
MMP8	A103	ELISA 试剂盒、抗体、蛋白	MMP21	B857	抗体、蛋白
MMP9	A553	ELISA 试剂盒、抗体、蛋白	MMP23A	A211	抗体、蛋白
MMP10	A098	ELISA 试剂盒、抗体、蛋白	MMP23B	A212	ELISA 试剂盒、抗体、蛋白
MMP11	A224	ELISA 试剂盒、抗体、蛋白	MMP24	B894	ELISA 试剂盒、抗体、蛋白
MMP12	A402	ELISA 试剂盒、抗体、蛋白	MMP25	B927	ELISA 试剂盒、抗体、蛋白
MMP13	A099	ELISA 试剂盒、抗体、蛋白	MMP26	B256	ELISA 试剂盒、抗体、蛋白
MMP14	C056	ELISA 试剂盒、抗体、蛋白	MMP28	B999	ELISA 试剂盒、抗体、蛋白
MMP15	A322	ELISA 试剂盒、抗体、蛋白			

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