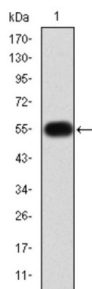
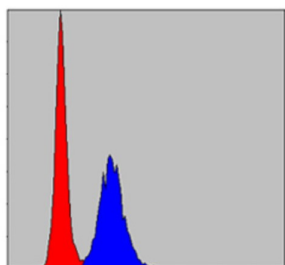


## Matrix Metalloproteinase-9 (MMP9) Antibody

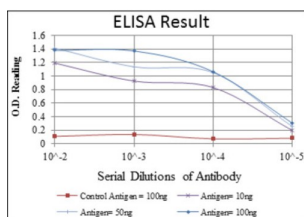
Catalogue No.: abx015926



Western blot analysis using MMP9 antibody against human MMP9 (AA: 238-465) recombinant protein. (Expected MW is 50.6 kDa).



Western blot analysis using MMP9 antibody against HEK293 (1), MMP7-hlgGfc transfected HEK293 (2) cell lysate and MMP9 (AA: 238-465) -hlgGfc transfected HEK293 (3) cell lysate.



Flow cytometric analysis of Hela cells using MMP9 antibody (blue) and negative control (red).

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling.

**Target:** Matrix Metalloproteinase-9 (MMP9)

**Clonality:** Monoclonal

**Reactivity:** Human

**Tested Applications:** ELISA, FCM

**Host:** Mouse

# Datasheet

Version: 2.0.0  
Revision date: 07 Sep 2025



|                                  |                                                                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommended dilutions:</b>    | ELISA: 1/10000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.                                 |
| <b>Conjugation:</b>              | Unconjugated                                                                                                                               |
| <b>Immunogen:</b>                | Purified recombinant fragment of human MMP9 expressed in E. coli.                                                                          |
| <b>Isotype:</b>                  | IgG <sub>2a</sub>                                                                                                                          |
| <b>Form:</b>                     | Liquid                                                                                                                                     |
| <b>Purification:</b>             | Unpurified ascites.                                                                                                                        |
| <b>Storage:</b>                  | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.                                                                             |
| <b>UniProt Primary AC:</b>       | P14780 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )                                                                                |
| <b>Gene Symbol:</b>              | MMP9                                                                                                                                       |
| <b>GeneID:</b>                   | <a href="#">4318</a>                                                                                                                       |
| <b>OMIM:</b>                     | <a href="#">120361</a>                                                                                                                     |
| <b>HGNC:</b>                     | 7176                                                                                                                                       |
| <b>KEGG:</b>                     | hsa:4318                                                                                                                                   |
| <b>Ensembl:</b>                  | ENSG00000100985                                                                                                                            |
| <b>String:</b>                   | <a href="#">9606.ENSP00000361405</a>                                                                                                       |
| <b>Enzyme Commission Number:</b> | EC 3.4.24, EC 3.4.24.35                                                                                                                    |
| <b>Molecular Weight:</b>         | 92 kDa                                                                                                                                     |
| <b>Buffer:</b>                   | Ascitic fluid containing 0.03% sodium azide.                                                                                               |
| <b>Concentration:</b>            | Not determined.                                                                                                                            |
| <b>Note:</b>                     | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |