

DESCRIPTION

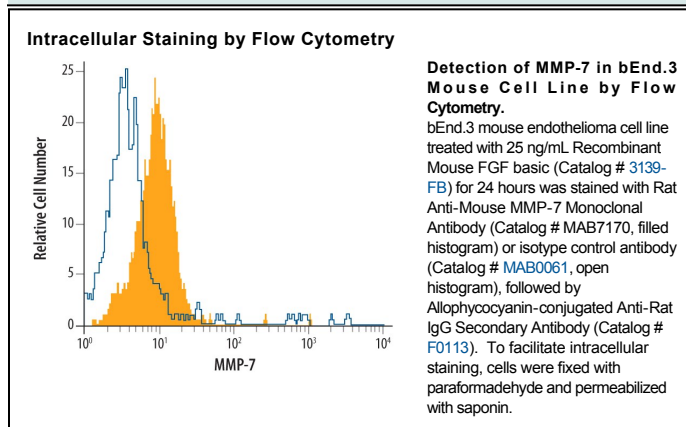
Species Reactivity	Mouse
Specificity	Detects mouse MMP-7 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human MMP-7, recombinant mouse (rm) MMP-3, or rmMMP-8 is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 704202
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse MMP-7 Met1-Leu264 Accession # Q10738
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	2.5 µg/10 ⁶ cells	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

MMP-7 (Matrilysin, 28 kDa) is the smallest member of the matrix metalloproteinases (MMP) family. It is expressed by normal and abnormal epithelial cells and is capable of digesting many proteins of the extracellular matrix. MMP-7 is implicated in the activation of Plasminogen, FasL, intestinal alpha-Defensin (important in innate host defense), and MMPs-1, -2, and -9, and in the release of TNF-alpha. Mouse MMP-7 is synthesized with a signal peptide and a propeptide; the preproMMP-7 shows 87% and 70% aa identity with rat and human preproMMP-7, respectively.