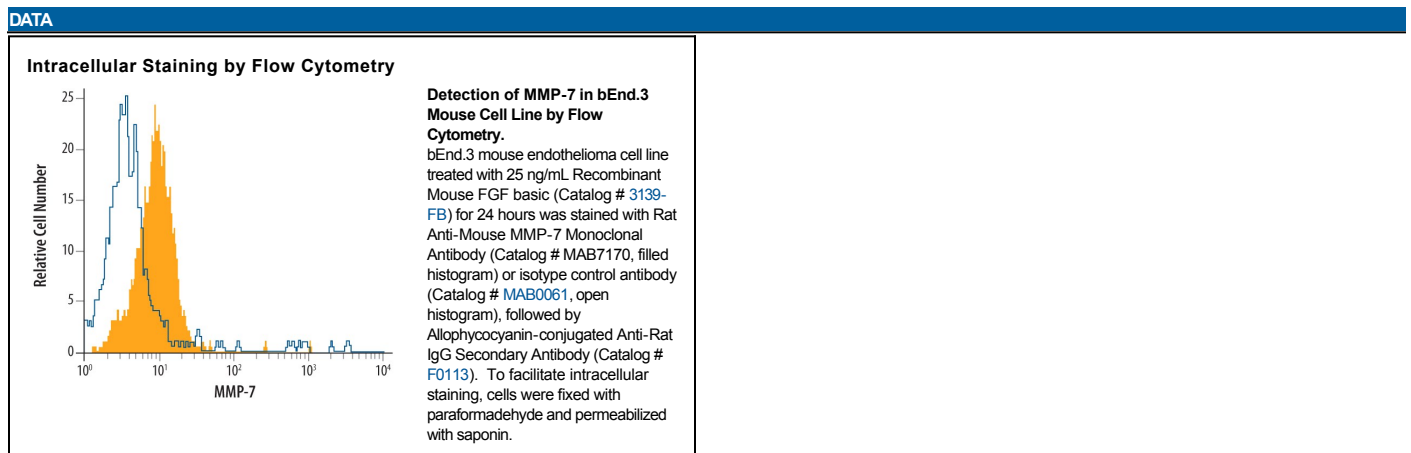


DESCRIPTION	
Species Reactivity	Mouse
Specificity	Detects mouse MMP-7 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human MMP-7, recombinant mouse (rm) MMP-3, or rmMMP-8 is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 704202
Purification	Protein A or G purified from hybridoma 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. <i>General Protocols</i> are available in the <i>Technical Information</i> section on our website.	
	Recommended Concentration
Intracellular Staining by Flow Cytometry	2.5 µg/10 ⁶ cells
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.



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.