

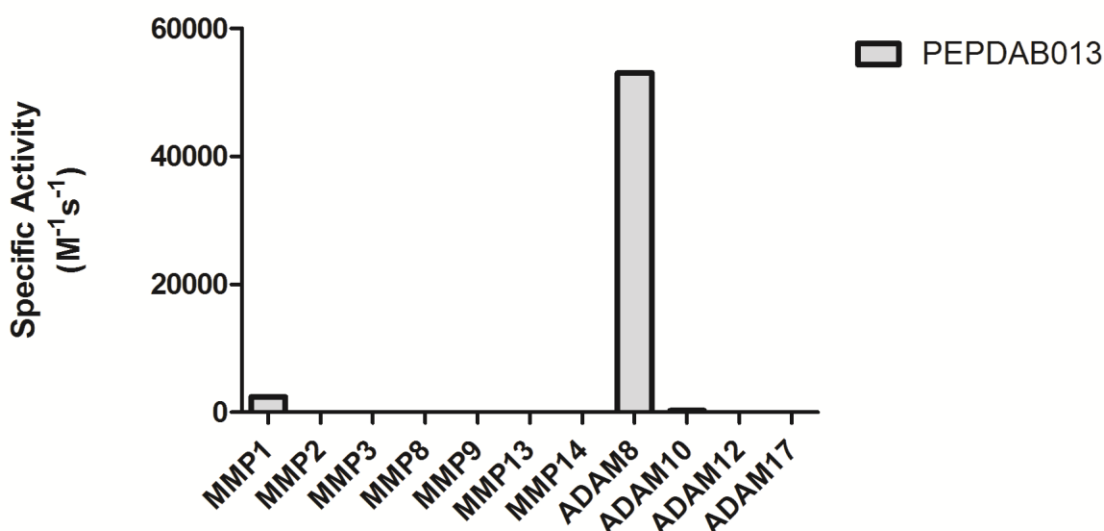


ADAM8 SPECIFIC SUBSTRATE

Fluorescent Substrate: Dabcyl-HGDQMAQKSK(5FAM)-NH₂

Catalog Number: **PEPDAB013**

Use: This fluorescent peptide substrate is used primarily to assess activity of ADAM8, though it is also processed to a small extent by MMP2, ADAM10, and ADAM12. It provides good selectivity since it is not processed at all by the seven other MMPs and ADAMs tested. Its specificity constant, k_{cat}/K_m ($M^{-1}s^{-1}$), is 5.3×10^4 against ADAM8, and 2.4×10^3 , 2.7×10^2 , and 4.0×10^1 against MMP2, ADAM10, and ADAM12 respectively (see Table 1 below, column highlighted in blue).



Reference:

[Fluorescent substrates for the proteinases ADAM17, ADAM10, ADAM8, and ADAM12 useful for high-throughput inhibitor screening.](#) Marcia L Moss, Fred H Rasmussen.(2007) Analytical Biochemistry;366(2):144-8. PMID 17548045.