



MMP SUBSTRATE II

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

Catalog Number: PEPDAB061

Use: This fluorescent peptide substrate is used primarily to assess activity of MMPs including MMP3, MMP1 and MMP14. Typically, the peptide is dissolved in DMSO to make a stock solution of about 2mM concentration. When used for in vitro assays, the substrate is often used at about 10 μ M concentration. For use with the MMPs, the buffer should contain 50 mM Tris, pH 7.5, 150 mM NaCl, 2 mM CaCl₂, 5 μ M ZnSO₄, and 0.01% Brij-35. Excitation and emission wavelengths are 325 and 393 nm respectively.

Molecular Weight: 1962.2 g/mol

Purity: Greater than 90% as assessed by HPLC and Mass Spectrometry.

Solubility: 1 mg/ml in water with 10%TFA

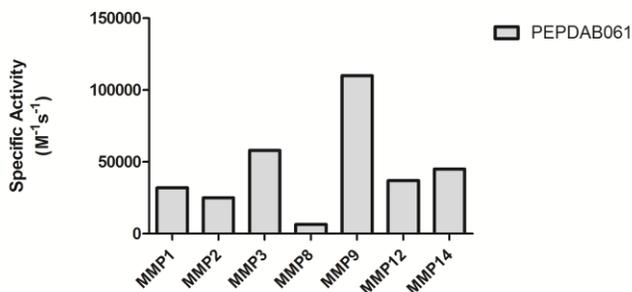
Appearance: Red lyophilized powder

Counter Ion: Trifluoroacetate

Shipping: The peptide powder is shipped at room temperature.

Storage: Upon receiving, the peptide should be stored at -70 °C or lower. If dissolved in liquid (such as DMSO), aliquot into separate tubes to minimize the number of freeze-thaw cycles.

Stability: Samples are stable up to 6 months at -70°C.



References: [Simultaneous visualization of protumorigenic Src and MT1-MMP activities with fluorescence resonance energy transfer](#). Ouyang M, et al. Cancer Res. 2010 Mar 15;70(6):2204-12. doi: 10.1158/0008-5472.CAN-09-3698.