Ubiquitin-AMC

High purity industry standard substrate for deubiquitinylating enzymes (DUBs).

Ubiquitin-AMC is a fluorogenic substrate for a wide range of deubiquitinylating enzymes (DUBs), including ubiquitin C-terminal hydrolases (UCHs) and ubiquitin specific proteases (USPs). It is a particularly useful reagent for the study of deubiquitinylating activity where detection sensitivity or continuous monitoring of activity is essential. Ubiquitin-AMC has been shown to be a sensitive substrate for UCH-L3 (Prod. No. BML-UW9745) and for Isopeptidase-T (Prod. No. BML-UW9690), and is particularly useful for studying deubiquitinylating activity where detection sensitivity or continuous monitoring of activity is essential.

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BML-SE211-0025	25µg

Manuals, SDS & CofA View Online »

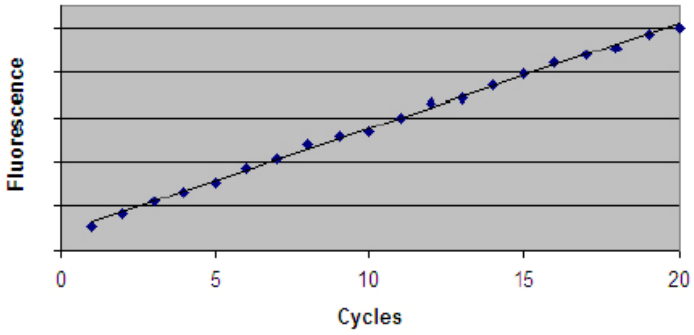


Figure: DUB Assay: 50nM UCLH1, His6-tagged (UW9740); 500nM Ubiquitin-AMC; 50mM HEPES pH7.8, 0.5mM EDTA, 1mM DTT.

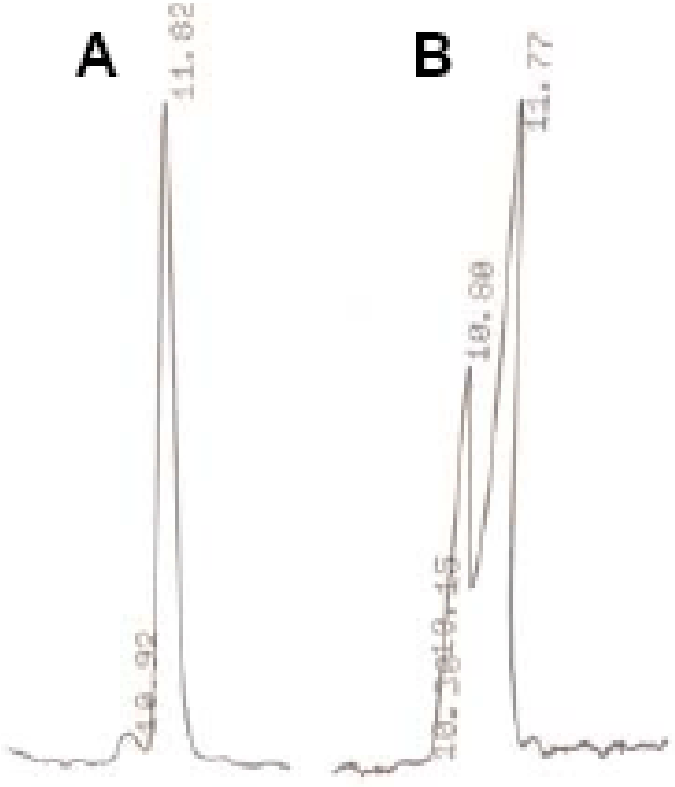


Figure: HPLC analysis. Comparison of Prod. No. BML-SE-211Prod. No. BML-SE-211) **(A)** with contaminated alternatively sourced material **(B)**.

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Avoid freeze/thaw cycles.
Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application Notes	Can be used for the following applications: 1. Substrate for deubiquitinylating enzyme activity assays. 2. Identification/confirmation of enzyme deubiquitinylation activity. 3. Investigation of deconjugating enzyme substrate specificity in comparison with alternative UBL substrates.
Formulation	In DMSO
Purity	≥95% (HPLC)
Purity Detail	Please note: considerable efforts are taken to ensure that ubiquitin-AMC is homogeneous and not contaminated with ubiquitin and ubiquitin deletions, which are common in material obtained from other sources. The chromatogram below demonstrates the homogeneity of BML-SE211.
Source	Produced in *E.coli.*
UniProt ID	P0CG47 (UBB), P0CG48 (UBC), P62979 (RPS27A), P62987 (UBA52)

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