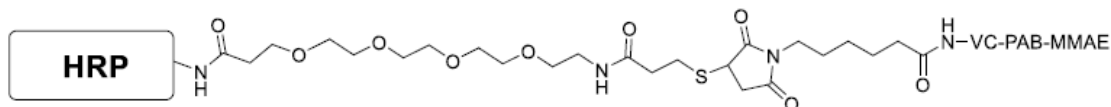


HRP-MMAE (1:1) Conjugate

Product Number: **CM53209**

Lyophilized solid, 0.5 mg per tube, ≥99%



Product Description

MMAE (monomethyl auristatin E) is an antimetabolic agent that binds tubulin and inhibits the assembly of microtubules. Mc-VC-PAB-MMAE is a thiol reactive derivative of MMAE that contains a cathepsin cleavable valine-citruline p-aminobenzylcarbamate linkage. Mc-VC-PAB-MMAE is used to prepare antibody-drug conjugates, such as brentuximab vedotin (Seattle Genetics). This HRP-MMAE conjugate is designed with similar linker chemistry as ADC and PDC prepared by our customer using CellMosaic's Antibody MMAE Conjugation Kit (Cat#: CM11409) and Protein MMAE Conjugation Kit (Cat#: CM11413). It is synthesized at CellMosaic® for our customers' usage in horseradish peroxidase (HRP) based assay. A long flexible PEG linker is also incorporated in the conjugate to retain the activity of HRP and MMAE binding. The final conjugate is purified to obtain a single MMAE-labeled HRP conjugate, and it is lyophilized from PBS containing sugar-based stabilizer for easy shipping and storage.

The product is sold as 1 vial of 0.5 mg (Cat# CM53209-0.5MG) or 4 vials of 0.5 mg (Cat# CM53209-2MG). For bulk orders, please contact us for a quote.

Application

- Assay development for the quantitation and detection of MMAE-labeled biopolymers (ADCs and PDCs) and MMAE drug released from the conjugate.
- Indirect and competitive ELISA assay.

Key Features

- Lyophilized powder ready for use after reconstitution with water, no need for external buffer.
- HPLC-purified single-labeled conjugate, 1:1 HRP-MMAE.
- A long flexible PEG linker is incorporated to retain the HRP activity and MMAE binding.
- Amount accurately determined by UV/HPLC analysis.

Chemical Information

- **Chemical Name:** HRP-MMAE (monomethyl auristatin E) (1:1) Conjugate
- **Chemical Formula:** N/A
- **Molecular Weight:** 44KDa **CAS Number:** N/A

Specification

- **Physical Appearance:** brownish preservative-free lyophilized powder in a 1.5 mL centrifuge tube
- **Storage Temp:** -20°C.
- **Purity:** ≥99% of single MMAE-labeled conjugates by HPLC
- **HRP Activity:** ≥110 units/mg protein [Unit Definition: one unit is the amount of enzyme that will form 1.0 mg purpurogallin from pyrogallol in 20 sec. at pH 6.0 at 20°C]
- **Drug to HRP ratio:** 1

Storage/Stability

- Recommended storage of the product is below -20°C.
- Expiration before defrosting is 1 year after receiving.
- Once defrosted, maintain at 2-8°C.
- For best quality, use within 1 week of defrosting.