



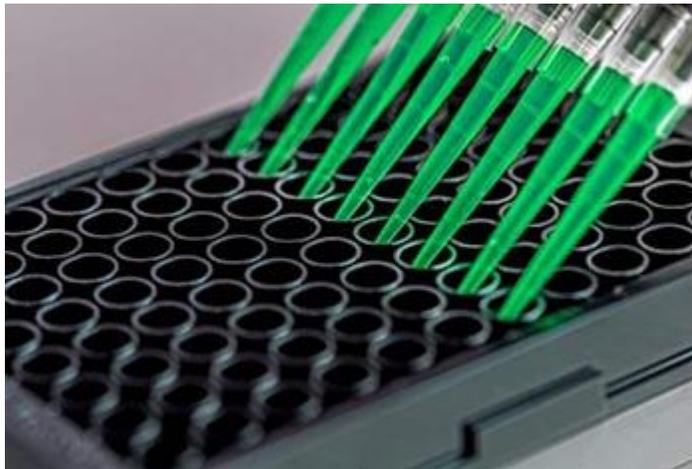
amsbio

Part of Europa Biosite

Sensitive and specific DUB enzyme assay kits

Amsbio

has launched a new range of **Deubiquitinating (DUB) enzyme assay kits** supplied in a convenient and easy-to-use 96-well assay format. With minimal setup required and no need for substrate preparation, these **ready-to-use kits** accelerate routine DUB activity assays without compromising data quality.



Ubiquitination and deubiquitination

are two important physiological processes in the ubiquitin-proteasome system, responsible for protein degradation in cells. The DUB enzyme family contains around 100 proteins that remove ubiquitin from a variety of substrates. Widely involved in the regulation of cellular processes including cell proliferation, autophagy, DNA damage repair, and immune response - DUBs have been implicated in a range of human diseases and consequently are attractive targets for potential therapeutic intervention via the development of suitable inhibitors and modulators.

The new kits are based

on ubiquitin derivatives conjugated with various fluorophores that enable sensitive and specific detection using a microplate reader at an excitation wavelength of 485 nm and an emission wavelength of 535 nm. The range includes kits tailored to individual DUB enzymes such as BAP1, USP7, and UCHL1, enabling researchers to precisely profile activity or screen inhibitors against disease-relevant targets.

Designed to quickly

measure deubiquitinase activity or inhibitor screening in purified enzyme systems and cell-based models - these new assay kits come optimized for both kinetic and endpoint analysis. Supplied in an



amsbio

Part of Europa Biosite

industry standard 96-well microplate format these DUB enzyme assay kits are high throughput screening compatible and ready-to-use by academic, biotech and pharma researchers.

Areas of research

that may benefit from these kits include cancer tumor suppression and cell cycle regulation; neurodegenerative diseases, such as Parkinson's, via mitochondrial and protein clearance pathways and Immune system function and inflammation, where DUBs regulate cytokine signaling and innate immunity. For further information please visit <https://www.amsbio.com/kits-assays/dub-activity-assay-kit/> or contact Amsbio on +31-72-8080244 / +44-1235-828200 / +1-617-945-5033 / info@amsbio.com

Now part of the Europa Biosite group

of companies, AMS Biotechnology (Amsbio) is recognized as a leading transatlantic company contributing to the acceleration of discovery through the provision of cutting-edge life science technology, products, and services for R&D in the medical, nutrition, cosmetics, and energy industries. Amsbio has in-depth expertise in extracellular matrices to provide elegant solutions for studying cell motility, migration, invasion, and proliferation. This expertise in cell culture and the ECM allows Amsbio to partner with clients in tailoring cell systems to enhance organoid and spheroid screening outcomes using a variety of 3D culture systems, including organ-on-a-chip microfluidics. For drug discovery research, Amsbio offers assays, recombinant proteins, and cell lines. Drawing upon a huge and comprehensive biorepository, Amsbio is widely recognized as a leading provider of high-quality tissue specimens (including custom procurement) from both human and animal tissues. The company provides unique clinical grade products for stem cells and cell therapy applications. This includes GMP cryopreservation technology, and high-quality solutions for viral delivery.

Worldwide HQ

AMS Biotechnology (AMSBIO)

184 Milton Park
Abingdon
Oxon OX14 4SE
UK

Tel: +44-1235-828200
Fax: +44-1235-820482
Email: info@amsbio.com
Web www.amsbio.com