

Product Datasheet

DNMT1 Activity/Inhibition Assay Kit (Colorimetric) KA1515

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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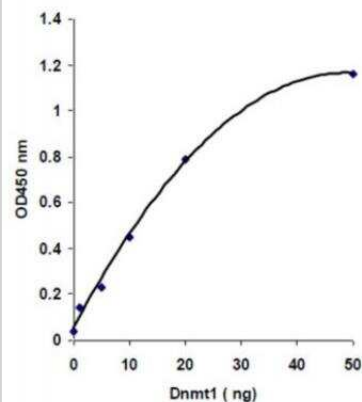


KA1515**DNMT1 Activity/Inhibition Assay Kit (Colorimetric)**

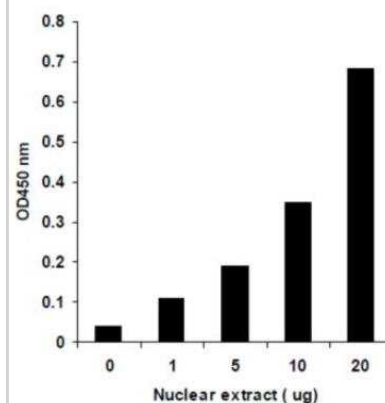
Product Information	
Unit Size	1 Kit
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Storage of components varies. See protocol for specific instructions.
Product Description	
Description	Quality control test: Standard Curve DNMT Activity/Inhibition Assay Ultra Kit (Colorimetric) is use for screening DNMT inhibitors.
Gene ID	1786
Gene Symbol	DNMT1
Species	Mouse
Kit Components	MU1 (10X Wash Buffer), MU2 (DNMT Assay Buffer), MU3 (Adomet, 50X)*, MU4 (DNMT Enzyme Control, 50 µg/mL)*, MU5 (Capture Antibody, 1000 µg/mL*), MU6 (Detection Antibody, 400 µg/mL)*, MU7 (Enhancer Solution)*, MU8 (Developer Solution), MU9 (Stop Solution), 8-Well Assay Strips (With Frame), Adhesive Covering Film
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Standard Curve Range	0.5 to 20 ug nuclear extract, 0.5 to 200 ng purified enzyme
Sensitivity	0.5 ug nuclear extract or 0.5 ng purified enzymes
Assay Type	Colorimetric
Suitable Sample Type	Nuclear Extract, Purified Enzyme
Sample Volume	1-5 uL (5 to 10 ug nuclear extract or 10 to 100 ng purified enzyme included)
Product Application Details	
Applications	Functional
Recommended Dilutions	Functional

Images

DNMT1 Assay/Inhibitor Screening Assay Kit [KA1515] - The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.



DNMT1 Assay/Inhibitor Screening Assay Kit [KA1515] - Positive control by using nuclear extract from MCF-7 cells.



Publications

Paolo C, Gilberto M, Francesco P et al. Effects of tributyltin on retinoid X receptor gene expression and global DNA methylation during intracapsular development of the gastropod *Tritia mutabilis* (Linnaeus, 1758). *Environ Toxicol Pharmacol.* 2021-10-07 [PMID: 34628031]

Wnuk A, Rzemieniec J, Litwa E et al. Prenatal exposure to benzophenone-3 (BP-3) induces apoptosis, disrupts estrogen receptor expression and alters the epigenetic status of mouse neurons. *J Steroid Biochem Mol Biol* 2018-04-25 [PMID: 29704544]



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Products Related to KA1515

H00001786-Q01-10ug	Recombinant Human DNMT1 GST (N-Term) Protein
AF748	E-Cadherin Antibody [Unconjugated]
NB100-56519	DNMT1 Antibody (60B1220.1) - BSA Free
NB120-13888	DNMT3A Antibody (64B1446) - BSA Free

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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