

Cellular UV DNA-Damage Detection Kit

Catalog # KA0293

Size 1 Kit

Specification

Product Description	Cellular UV DNA-Damage Detection Kit is a non-isotopic immunoassay used for the semi-quantitative measurement of CPDs (cyclobutane pyrimidine dimers) in genomic DNA formed by UV-irradiation to cells.
Assay Type	Semi-quantitative
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Functional Study

Publication Reference

- [Cis-urocanic acid improves cell viability and suppresses inflammasome activation in human retinal pigment epithelial cells.](#)
Eveliina Korhonen, Niina Piippo, Maria Hytti, Kai Kaarniranta, Anu Kauppinen.
Biochemical Pharmacology 2023 Oct; 216:115790.
Application: Func, Human, ARPE-19 cells
- [Only IL-1 \$\beta\$ release is inflammasome-dependent upon ultraviolet B irradiation although IL-18 is also secreted.](#)
Eveliina Korhonen, Niina Piippo, Maria Hytti, Juha M T Hyttinen, Kai Kaarniranta, Anu Kauppinen.
FASEB Journal 2020 May; 34(5):6437.
Application: Func, Human, ARPE-19 cells

- [Mechanics of PAK1-A new molecular player in the arena of skin cancer.](#)

Beesetti S, Surabhi RP, Rayala SK, Venkatraman G.

Journal of Cellular Physiology 2018 Jan; 234(1):969.

Application: Func, Human, A431 cells

- [Chk1 and Hsp90 cooperatively regulate phosphorylation of endothelial nitric oxide synthase at serine 1179.](#)

Park JH, Kim WS, Kim JY, Park MH, Nam JH, Yun CW, Kwon YG, Jo I.

Free Radical Biology & Medicine 2011 Dec; 51(12):2217.

Application: Func, Bovine, Bovine aortic endothelial cells