

CircuLex DJ-1/PARK7 ELISA Kit Ver.2

Version upgrade !



New version achieves higher sensitivity !
Try it now!

Old version **550 pg/mL**

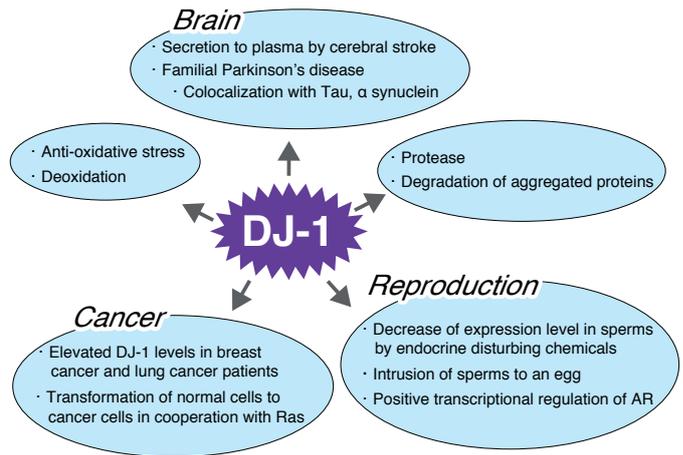
New version **8.4 pg/mL**

DJ-1/PARK7

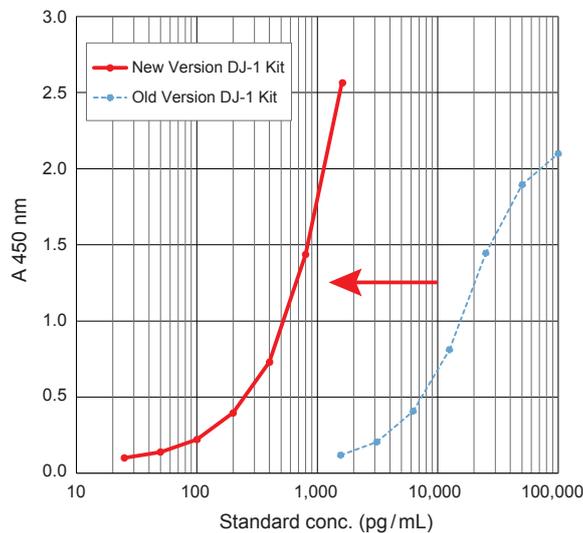
DJ-1 (PARK7/CAP1/RS) was originally cloned as a putative oncogene capable of transforming NIH-3T3 cells in cooperation with H-ras, a protein expressed in sperm, and a regulator of RNA-protein interactions. DJ-1 has also been isolated as a gene associated with autosomal early-onset Parkinson's disease (PD).

Several lines of evidence suggest that DJ-1 plays a role in the oxidative stress response. In cultured mammalian cells, DJ-1 quenches reactive oxygen species and is converted into a variant with a more acidic isoelectric point. Therefore, DJ-1 protects against reactive oxygen species-induced cell death, and its suppression with small interfering RNA (siRNA) sensitizes cells to such insults. Mutations in DJ-1 that are associated with familial Parkinson's disease have been shown to decrease the anti-oxidative stress function.

In addition, DJ-1 concentration is reported to be elevated within 3 hours after cerebral infarction, suggesting the possibility that DJ-1 could be a promising biomarker for early stage of cerebral infarction. Moreover, breast cancer patients have elevated levels of circulating DJ-1 and anti-DJ-1 autoantibodies compared to healthy and non-breast cancer patients.

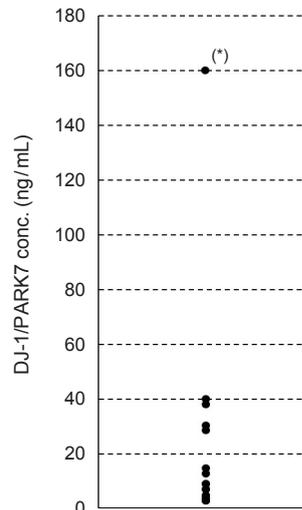


Data



Comparison between old version and new version

Code	Product	Size
CY-9050V2	CircuLex DJ-1/PARK7 ELISA Kit Ver.2	96 assays



(*) Prominent hemolysis was observed in the highest serum. Hemolysis may affect the measurement of DJ-1/PARK7 concentrations in serum and plasma.

Concentrations of DJ-1/PARK7 in healthy Japanese volunteers sera, n = 18

