

ARG83421 Lipoxygenase Assay Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83421 Lipoxygenase Assay Kit can be used to measure Lipoxygenase in tissue extracts, cell lysate, cell culture media and other biological fluids.
Tested Reactivity	Other
Tested Application	FuncSt
Target Name	Lipoxygenase
Conjugation Note	Read at 470 nm
Sensitivity	0.01 µmol/ml
Sample Type	Tissue extracts, cell lysate, cell culture media and other biological fluids.
Standard Range	0.03 µmol/ml - 3 µmol/ml
Sample Volume	30 µl

Application Instructions

Assay Time	10 min
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Properties

Form	96 well
Storage instruction	Store the kit at 4°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background	Lipoxygenases (LOXs) are dioxygenases that catalyze the formation of corresponding hydroperoxides from polyunsaturated fatty acids such as linoleic acid and arachidonic acid.
Function	Lipoxygenases (LOX) can be found not only in mammals, but also in plants. Historically, biochemical characterizations have been performed mainly on soybean LOX isoforms. While the overall structure of mammalian LOX enzymes seems to be similar, each isoform has unique properties, such as substrate specificity.