

ARG82183 Monoamine Oxidase Activity Assay Kit (Fluorometric)

Package: 100 tests

Store at: -20°C

Summary

Product Description	ARG82183 Monoamine Oxidase Activity Assay Kit (Fluorometric) can be used to measure Monoamine Oxidase activity in biological samples and it also can be used to evaluate and screen for MAO inhibitors. (Please note that this kit does not include a microplate, MAO-A and MAO-B enzyme.)
Tested Reactivity	Hu, Ms, Rat, All
Tested Application	FuncSt
Target Name	Monoamine Oxidase
Conjugation Note	Read at 530/585 nm (fluorometric)
Sensitivity	0.01 U/L
Sample Volume	45 µl
Alternate Names	MAO-A; EC 1.4.3.4; Amine oxidase [flavin-containing] A; Monoamine oxidase type A

Application Instructions

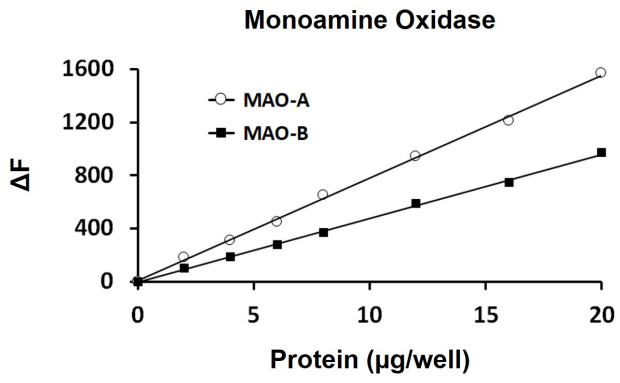
Application Note	Please note that this kit does not include a microplate, MAO-A and MAO-B enzyme.
Assay Time	30 min

Properties

Form	Liquid
Storage instruction	Store the kit at -20°C. 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

Gene Symbol	MAOA
Gene Full Name	monoamine oxidase A
Background	This gene is one of two neighboring gene family members that encode mitochondrial enzymes which catalyze the oxidative deamination of amines, such as dopamine, norepinephrine, and serotonin. Mutation of this gene results in Brunner syndrome. This gene has also been associated with a variety of other psychiatric disorders, including antisocial behavior. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Jul 2012]
Function	Catalyzes the oxidative deamination of biogenic and xenobiotic amines and has important functions in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues. MAOA preferentially oxidizes biogenic amines such as 5-hydroxytryptamine (5-HT), norepinephrine and epinephrine. [UniProt]
Cellular Localization	Mitochondrion outer membrane; Single-pass type IV membrane protein; Cytoplasmic side. [UniProt]



ARG82183 Monoamine Oxidase Activity Assay Kit (Fluorometric)
typical data demonstration image

ARG82183 Monoamine Oxidase Activity Assay Kit (Fluorometric)
results of a typical data.