

ARG83051 Pecan Nut ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83051 Pecan Nut ELISA is an enzyme immunoassay kit for the quantitative of Pecan Nut in food (extraction, dilution).
Tested Reactivity	Other
Tested Application	ELISA
Target Name	Pecan nut
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.2 ppm
Detection Range	2 - 60 ppm
Sample Type	Food (extraction, dilution).
Standard Range	2 - 60 ppb
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	Pecan nut

Application Instructions

Assay Time	~1.5 hour
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°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	Allergies to tree nuts such as pecans are common and often severe. These types of allergies typically develop by the age of 2, and the number of tree nuts to which a person is allergic may increase with age. Roughly 30 percent of people with a tree nut allergy are allergic to more than one nut. And while peanuts are actually legumes, approximately 20 to 30 percent of those with a peanut allergy are also allergic to one or more types of tree nuts. In fact, together, peanuts and tree nuts account for 70 to 90 percent of reported food-related anaphylactic fatalities. Prevalence for tree nut allergy varies by age, region, and the definitions used for diagnosis, but it appears to affect 0.05 to 7.3 percent of the population. And unfortunately, compared to other food allergies, the chances of outgrowing these
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allergies are lower and restricted to an estimated 10 percent of sensitized individuals.

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