

ARG80818
Walnut ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	Enzyme Immunoassay for the quantification of Walnut in food (extraction, dilution).
Tested Reactivity	Plnt
Tested Application	ELISA
Target Name	Walnut
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.35 ppm
Sample Type	Food (extraction, dilution).
Standard Range	2 - 60 ppm
Sample Volume	100 µl

Application Instructions

Assay Time	20, 20 min (RT), 20 min (RT/dark)
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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

Gene Full Name	Walnut
Background	<p>Walnut (<i>Juglans regia</i>) belongs to the walnut plants (<i>Juglandaceae</i>). With 15% the fraction of proteins in walnuts is high. Some of these proteins are known for being allergenic, such as rJug r 1 and rJug r 4. Many of them are heat resistant making them stable to different production processes. For this reason walnut represents an important food allergen. For walnut allergic persons hidden walnut allergens in food are a critical problem. Already very low amounts of walnut can cause allergic reactions, which may lead to anaphylactic shock in severe cases. Because of this, walnut allergic persons must strictly avoid the consumption of walnuts or walnut containing food. Cross-contamination, mostly in consequence of the production process, is often noticed. The chocolate production process is a representative example. This explains why in many cases the existence of walnut residues in food cannot be excluded. For this reason sensitive detection systems for walnut residues in foodstuffs are required.</p> <p>The Walnut ELISA Kit represents a highly sensitive detection system and is particularly capable of the quantification of walnut residues in cookies, cereals, ice cream and chocolate.</p>

Highlight

Related products:

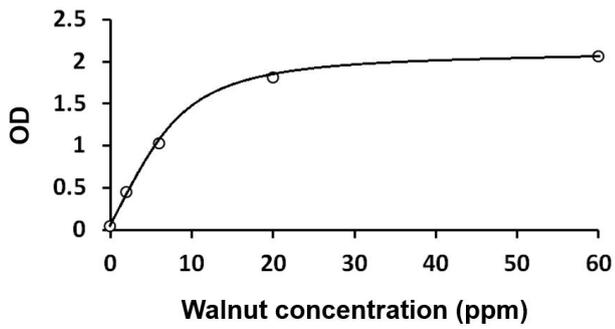
New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

Research Area

Immune System kit

Images



ARG80818 Walnut ELISA Kit standard curve image

ARG80818 Walnut ELISA Kit results of a typical standard run with optical density reading at 450 nm.