

## ARG80811 Pistachio ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG80811 Pistachio ELISA Kit is an enzyme immunoassay kit for the quantification of Pistachio in food (extraction, centrifugation, dilution).
Tested Application	ELISA
Target Name	Pistachio
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.13 ppm
Sample Type	Food (extraction, centrifugation, dilution).
Standard Range	1 - 40 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	Pistachio
Background	<p>Pistachio (<i>Pistacia vera</i>) belongs to the family of Anacardiaceae. With about 21% the fraction of proteins in pistachio seed is very high. Some of these proteins, like the 2S albumin Pis v 1, the 11S globulin Pis v 2 or the 7S vicillin Pis v 3 are known for being allergenic. Many of them are heat resistant making them stable to different production processes. For this reason pistachio represents an important food allergen.</p> <p>For pistachio-allergic persons hidden pistachio allergens in food are a critical problem. Already very low amounts of pistachio can cause allergic reactions, which may lead to anaphylactic shock in severe cases. Because of this, pistachio-allergic persons must strictly avoid the consumption of pistachio containing food. Cross-contamination, mostly in consequence of the production process, is often noticed. This explains why in many cases the existence of pistachio residues in food cannot be excluded. For this reason sensitive detection systems for pistachio residues in foodstuffs are required.</p> <p>The Pistachio ELISA represents a highly sensitive detection system for pistachio and is particularly capable of the quantification of residues in cookies, cereals, ice-cream, chocolate and sausage.</p>

Highlight

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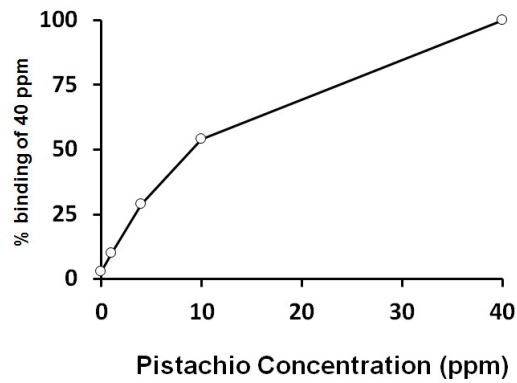
New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

Research Area

Immune System kit

Images

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ARG80811 Pistachio ELISA Kit standard curve image

ARG80811 Pistachio ELISA Kit results of a typical standard run with optical density reading at 450nm.