

## ARG80807 Mustard ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG80807 Mustard ELISA Kit is a Enzyme Immunoassay kit for the quantification of Plant Mustard in food (extraction, dilution).
Tested Reactivity	Plnt
Tested Application	ELISA
Target Name	Mustard
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	1 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	Mustard
Background	Mustard belongs to the Brassica plants. With about 30-35% the fraction of proteins in mustard seed is very high. Some of these proteins are known for being allergenic, such as Sin a 1 and Bra j 1. These proteins are predominantly heat resistant making them stable to different production processes. In addition to brown mustard ( <i>Brassica juncea</i> ) and black mustard ( <i>Brassica nigra</i> ) primarily yellow mustard ( <i>Sinapsis alba</i> ) is used as an ingredient in many foods and food preparations. For mustard allergic persons hidden mustard allergens in food are a critical problem. Already very low amounts of mustard can cause allergic reactions, which may lead to anaphylactic shock in severe cases. Because of this, mustard allergic persons must strictly avoid the consumption of mustard or mustard containing food. Cross-contamination, mostly in consequence of the production process, is often noticed. The sausage production process is a representative ex-ample. This explains why in many cases the exis-tence of mustard residues in food cannot be ex-cluded. For this reason sensitive detection systems for mustard residues in foodstuffs are required.

The Mustard ELISA represents a highly sensitive detection system for yellow mustard and is particularly capable of the quantification of residues in sausage, dressings, soups, cheese and mixed herbs. Due to high cross-reactivity the test is also suitable for the detection of brown mustard and black mustard.

#### Highlight

Related products:

New ELISA data calculation tool:

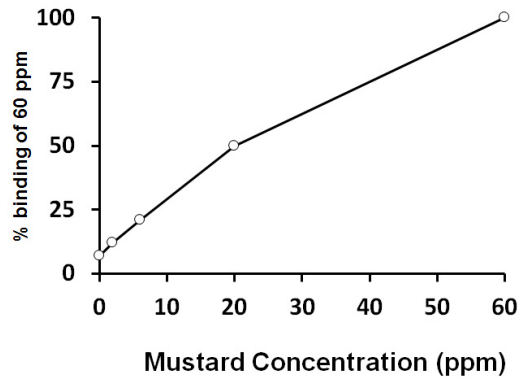
[Simplify the ELISA analysis by GainData](#)

#### Research Area

Immune System kit

## Images

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ARG80807 Mustard ELISA Kit standard curve image

ARG80807 Mustard ELISA Kit results of a typical standard run with optical density reading at 450nm.