ARG80813
Soja (Soy) ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	Enzyme Immunoassay for the quantification of Soy in food (extraction, dilution).
Tested Reactivity	Plnt
Tested Application	ELISA
Target Name	Soja
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	16 ppb
Sample Type	Food (extraction, dilution).
Standard Range	40 - 1,000 ppb
Sample Volume	100 µl

Application Instructions

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

Properties

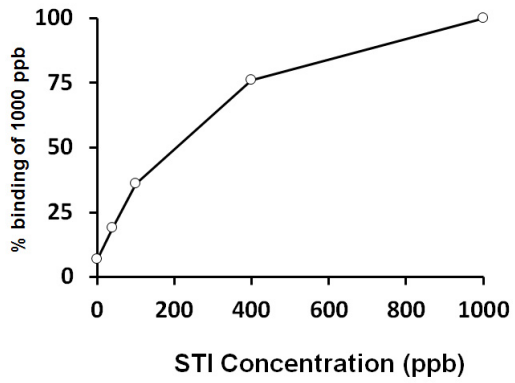
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Full Name	Soja (Soy)
Background	Soy (Glycine max) belongs to the legumes. With 39% the fraction of proteins in soy beans is very high. Many of these proteins are known for being allergenic, such as Gly m1, Glycinin, Kunitz-Trypsin-Inhibitor and Gly m4 which is known to be cross reactive to birch pollen allergen Bet v1. For this reason soy represents an important food allergen. For soy allergic persons hidden soy allergens in food are a critical problem. Already very low amounts of soy can cause allergic reactions, which may lead to anaphylactic shock in severe cases. Because of this, soy allergic persons must strictly avoid the consumption of soy or soy containing food. Partly undeclared addition of soy as additive in many foods is of particular importance. Cross-contaminations, mostly in consequence of the production process are representing another problem. The chocolate production process is a representative example. For this reason sensitive detection systems for soy residues in foodstuffs are required. Only a few soy proteins are stable to conventional production processes (for example high temperature). For this reason robust indicator proteins are necessary for detection. Soy trypsin inhibitors (STI) are representing such proteins.

Highlight	Related products: New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Immune System kit

Images



ARG80813 Soja (Soy) ELISA Kit standard curve image

ARG80813 Soja (Soy) ELISA Kit results of a typical standard run with optical density reading at 450nm.