

ARG81033 Molluscs Tropomyosin ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG81033 Molluscs Tropomyosin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Molluscs Tropomyosin in food (extraction, centrifugation, dilution).
Tested Reactivity	Other
Tested Application	ELISA
Target Name	Molluscs Tropomyosin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	1.7 ppb
Sample Type	Food (extraction, centrifugation, dilution).
Standard Range	10 - 400 ppb
Sample Volume	100 µl
Alternate Names	C15orf13; Tropomyosin alpha-1 chain; TMSA; CMD1Y; HEL-S-265; HTM-alpha; CMH3; Tropomyosin-1; LVNC9; Alpha-tropomyosin

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 Symbol	TPM1
Gene Full Name	Tropomyosin
Background	<p>Not only because of their cross-reactivity to house dust mites and crustaceans, molluscs represent an important group of food allergens. In this regard tropomyosin, which can be found in all common mollusc species, is the most important protein. In cooked and uncooked mollusc extracts this protein partly represents a high amount of total protein.</p> <p>For mollusc allergic persons hidden mollusc proteins in food are a critical problem. Already very low amounts of the allergen can cause allergic reactions, which may lead to anaphylactic shock in severe cases. Because of this, mollusc allergic persons must strictly avoid the consumption of mollusc containing food. Cross-contamination, mostly in consequence of the production process, is often noticed. This explains why in many cases the existence of mollusc residues in food cannot be excluded. For this reason sensitive detection systems for mollusc residues in foodstuffs are required</p>
Function	Binds to actin filaments in muscle and non-muscle cells. Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments. [UniProt]

Highlight

Related products:
[Tropomyosin antibodies](#); [Tropomyosin ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

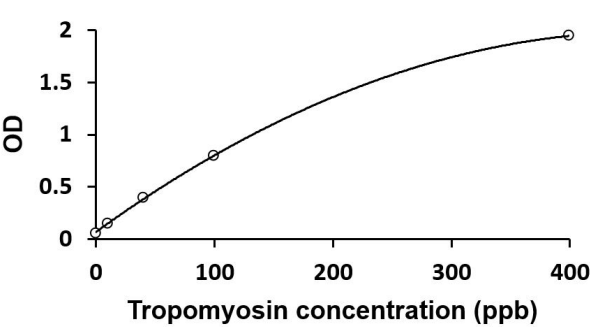
Research Area

Immune System kit; Microbiology and Infectious Disease kit

Cellular Localization

Cytoplasm, cytoskeleton. [UniProt]

Images



ARG81033 Molluscs Tropomyosin ELISA Kit standard curve image

ARG81033 Molluscs Tropomyosin ELISA Kit results of a typical standard run with optical density reading at 450 nm.