

ARG80793 Crustacean Tropomyosin ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

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| Product Description | ARG80793 Crustacean Tropomyosin ELISA Kit is a Enzyme Immunoassay kit for the quantification of Crustacean Tropomyosin in food (extraction, dilution). |
| Tested Application | ELISA |
| Target Name | Crustacean Tropomyosin |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm |
| Sensitivity | 0.09 ppb |
| Sample Type | Food (extraction, dilution). |
| Standard Range | 20 - 400 ppb |
| Sample Volume | 100 µl |

Application Instructions

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

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|---------------------|--|
| 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

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|----------------|---|
| Gene Full Name | Crustacean Tropomyosin |
| Background | <p>Not only by reason of their cross-reactivity to house dust mites crustaceans represent an important group of food allergens. In this regard tropomyosin, which can be found in all common crustacean species, is the most important protein. In cooked crustacean extracts this protein represents approximately 20% of total protein.</p> <p>For crustacean allergic persons hidden crustacean 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, crustacean allergic persons must strictly avoid the consumption of crustacean containing food. Cross-contamination, mostly in consequence of the production process, is often noticed. This explains why in many cases the existence of crustacean residues in food cannot be excluded. For this reason sensitive detection systems for crustacean residues in foodstuffs are required.</p> <p>The Crustaceans (Tropomyosin) ELISA represents a highly sensitive detection system for tropomyosin (from <i>penaeus indicus</i>) and is particularly capable of the quantification of crustacean residues in fish products, soups, dressings, bakery products and meat products.</p> |

Highlight

Related products:

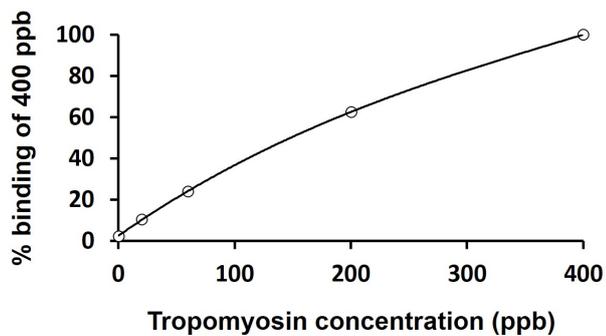
New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

Research Area

Immune System kit

Images



ARG80793 Crustacean Tropomyosin ELISA Kit standard curve image

ARG80793 Crustacean Tropomyosin ELISA Kit results of a typical standard run with optical density reading at 450 nm.