

ARG80797 Fish Parvalbumin ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG80797 Fish Parvalbumin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Fish Parvalbumin in food (extraction, centrifugation, dilution).
Tested Reactivity	Fsh
Tested Application	ELISA
Target Name	Parvalbumin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	1.4 ppm
Sample Type	Food (extraction, centrifugation, dilution).
Standard Range	4 - 100 ppm
Sample Volume	100 µl
Alternate Names	D22S749; Parvalbumin alpha

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 Symbol	pvalb2
Gene Full Name	parvalbumin 2
Background	Fishes belong to the most frequent elicitors of food allergies. The allergies are predominantly induced by the low-molecular, calcium-binding muscle protein parvalbumin. The protein is characterized by its high heat resistance and stability against denaturing agents and proteolytic enzymes. Predominantly in regions with a high consumption of fish like Scandinavia, Japan or the Mediterranean countries, fish allergies represent a heavy health problem. The symptoms are ranging from inflammation of the skin over gastrointestinal and respiratory problems up to live-threatening anaphylactic shock. In spite of the high biodiversity most patients react with allergic symptoms to several fish species due to the high cross-reactivity between the fish allergens.

For fish-allergic persons hidden fish allergens in food are a critical problem. Already very low amounts of fish can cause allergic reactions, which may lead to anaphylactic shock in severe cases. Because of this, fish-allergic persons must strictly avoid the consumption of fish containing food. Cross-contamination, mostly in consequence of the production process, is often noticed. This explains why in many cases the existence of fish residues in food cannot be excluded. For this reason sensitive detection systems for fish residues in foodstuffs are required.

Highlight

Related products:

[Parvalbumin antibodies](#); [Parvalbumin ELISA Kits](#);

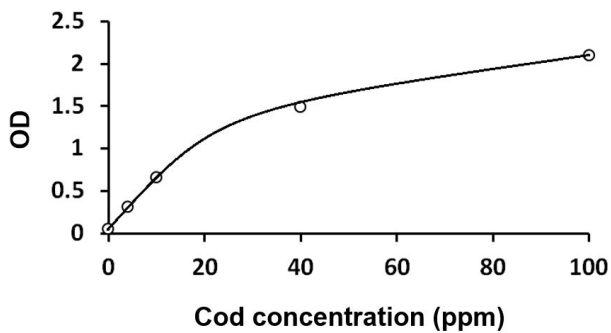
New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

Research Area

Neuroscience kit

Images



ARG80797 Fish Parvalbumin ELISA Kit example of standard curve image

ARG80797 Fish Parvalbumin ELISA Kit results of a typical standard run with optical density reading at 450 nm.