

Product Name

Specific IgY against Acrylamide Chicken 56, titer 100,000

Description

Chicken Immunoglobulin Y against Acrylamide

Immunogen

BSA – Maleamine acid

Cross Reactivity

Not tested

Specificity

This antibody has a high affinity and specificity for Acrylamide.

Tested applications

Immuno Affinity Chromatography

Application notes

Antibody can be coupled to solid support materials.

Relevance

Acrylamide levels appear to rise as food is heated for longer periods of time. Browning during baking, frying or deep-frying will produce acrylamide, and over-cooking foods may produce large amounts of acrylamide. Acrylamides can also be created during microwaving. Cigarette smoking is also a major acrylamide source. Acrylamide can cause cancer in laboratory animals at high doses, although it is not clear whether it causes cancer in humans at the much lower levels found in food.

Raised in

Chicken

Clonality

Polyclonal

Storage buffer

0.1 M Phosphate Buffered Saline (PBS) pH 7.2. (0.02% sodium azide)

Concentration

Appr. 5 mg/ml

Storage instructions

This working antibody solution is stable for at least 7 days at 4 °C. Precautions of storage should be taken for longer periods. Problems of long term stability may occur with highly diluted solutions. No other preservative agent has been added to the present formulation.

References

See the website of Grace-Vydac Venture line for more information about IAC columns.