

Product Name

Specific IgG against Atrazine Sheep 52, titer 2,000 (at 50 % binding)

Description

Sheep Immunoglobulin G immune serum

Immunogen

BSA-Atrazine-conjugate

Cross Reactivity

Atrazine	100%
Propazine	150%
Simazine	4%
Ametryn	2500%
Prometryn	1700%
Simetryn	280%
Terbutylazine	2%
Atrazine-desethyl	7%
Atrazine desisopropyl	1%
Atrazine-2-hydroxy	1%
Cinosulfuron	>0.1%
Prosulfuron	>0.1%
Triasulfuron	>0.1%
Chlorpyrifos	>0.1%
Clofibrinezuur	>0.1%
Deltametrin	>0.1%
Diclofenac	1%
Etrimfos	1%
Erythromycine	>0.1%
Fenitrothion	>0.1%
Fenofibraat	>0.1%
Ibuprofen	>0.1%
Malathion	>0.1%
Maleaminezuur	>0.1%
Metoprolol	>0.1%
Metacrifos	>0.1%
4-n-Nonylfenol	2%
Permetrin	>0.1%
Pirimifos-ethyl	>0.1%
Sulfadimidine	>0.1%
Vinclosolin	>0.1%

Specificity

This antibody is specific for atrazine and some other triazines.

Tested applications

ELISA

Application notes

Suggested concentration to use in ELISA: 1/2,000 from the delivered immune serum. Plates are coated with 400 ng/ml OVA-conjugated Atrazine. HRP-conjugated anti-sheep IgG as a tracer 1/8000

Relevance

Atrazine is a widely used herbicide. Its use is controversial due to its effects on non-target species, such as on amphibians.

Raised in

Sheep

Clonality

Polyclonal

Storage buffer

none

Concentration

Appr. 10 mg/ml

Storage instructions

The 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.

For long storage purposes in solution the addition of sodium azide at 0.02 % is advised with the appropriate precautions of use.

References

-Dr. Eline P. Meulenberg, Protocols for the development and validation of an immunoassay. ELTI Support VOF february 2008