Product Name
Specific IgG against Bisphenol A Rabbit K67, titer 50.000 (at 50 % binding)

Description
Serum containing Immunoglobulin G against Bisphenol A

Cross Reactivity in a direct assay

Molecules containing a phenolic group	*% Cross Reactivity*
Bisphenol A	100 %
4,4'-(ethylidene) bisphenol	10%
Bis-(4-hydroxy phenyl)-methane	1%
Nonylphenol	0.1%
4-cumylphenol	1%

Molecules lacking a phenolic group	*% Cross Reactivity*
Vinclozolin	0.1%
Pirimifos-ethyl	< 0.1%
17ß-Estradiol	< 0.1%
Sulfadimidine	< 0.1%

Cross Reactivityin an indirect assay

Molecules containing a phenolic group	*% Cross Reactivity*
Bisphenol A	100%
4,4'-(ethylidene) bisphenol	10%
4-cumylphenol	10%

Molecules lacking a phenolic group	*% Cross Reactivity*
Vinclozolin	<0.1%
Pirimifos-ethyl	< 0.1%
2,4 D	<0.1%
Fenitrothion	< 0.1%
Chlorpyrifos-methyl	< 0.1%
Erythromycine	< 0.1%

Specificity
This antibody is highly specific for Bisphenol A

Tested applications
ELISA

Application notes
Suggested concentration to use in ELISA: 1/50,000 from the delivered immune serum. Plates are coated with 400 ng/ml OVA-Bisphenol Valeric Acid (BVA). HRP-conjugated anti-rabbit IgG as a tracer 1/8000

Relevance
Bisphenol A is a known hormone-disrupting agent, commonly used in plastics and diffusing into the environment and food.

Raised in
Rabbit

Clonality
Polyclonal

Storage buffer
none

Protein concentration
Appr. 10 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.
For long storage purposes in solution the addition of sodium azide at 0.02 % is advised with the appropriate precautions of use.

References
Eline P. Meulenberg, Kees Koopal and Ria Rhemrev - Immunoassays for alkylphenolic pollutants with endocrine disrupting activity. Intern. J. Environ. Anal. Chem. Vol 85, no 12-13, 15 October-15 November 2005, 871-883