

**Product Name**

Specific IgG against Bisphenol A Rabbit K66, titer 50,000 (at 50 % binding)

**Description**

Serum containing Immunoglobulin G against Bisphenol A raised in rabbit

**Immunogen**

BSA-Bisphenol Valeric Acid (BVA)

**Cross Reactivity in a direct assay***Molecules containing*

<i>a phenolic group</i>	<i>% Cross Reactivity</i>
Bisphenol A	100%
4,4'-(ethylidene) bisphenol	10%
Bis-(4-hydroxy phenyl)-methane	1%
Nonylphenol	1%
4-cumylphenol	20%

*Molecules lacking*

<i>a phenolic group</i>	<i>% Cross Reactivity</i>
Vinclozolin	0.1%
Pirimifos-ethyl	< 0.1%
17 $\beta$ -Estradiol	< 0.1%
2,4 D	0.1%
Sulfadimidine	< 0.1%

**Cross Reactivity in an indirect assay***Molecules containing*

<i>a phenolic group</i>	<i>% Cross Reactivity</i>
Bisphenol A	100%
4,4'-(ethylidene) bisphenol	100%
Bis-(4-hydroxy phenyl)-methane	1%
4-cumylphenol	100%

*Molecules lacking*

<i>a phenolic group</i>	<i>% Cross Reactivity</i>
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 1/8,000

**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