

**Product Name**

Specific IgG against Bisphenol A Rabbit K67, titer 15,000 (at 50 % binding)

**Description**

Rabbit Immunoglobulin G (Caprylic acid purified) against Bisphenol A stored in 0.1 M Phosphate Buffered Saline (PBS) pH 7.2. (0.02% sodium azide)

**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	0.1%
4-cumylphenol	1%

*Molecules lacking*

<i>a phenolic group</i>	<i>% Cross Reactivity</i>
Vinclozolin	0.1%
Pirimifos-ethyl	< 0.1%
17 $\beta$ -Estradiol	< 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	10%
4-cumylphenol	10%

*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: 1/15.000 from the delivered solution. 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**

Phosphate buffered saline

**Concentration**

Appr. 0.8 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