

**Product Name**

Specific IgG against Alkylphenols Rabbit M35, titer 200

**Description**

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

**Immunogen**

BSA-C8-alkylphenol conjugate

**Cross Reactivity**

	<b>BSA-C6-AP</b>	<b>BSA-C8-AP</b>
4-Octylfenol	100%	100%
4-tert-Butylphenol	67%	27%
2-sec-Butylphenol	8%	1%
4-pentylphenol	1167%	2000%
4-n-heptylphenol	142%	133%
4-n-propylphenol	500%	250%
2-n-propylfenol	0,20%	0%
4-Isopropylphenol	333%	100%
4-n-hexylphenol	667%	1667%
4-chloro-2-cyclo-hexylphenol	0%	1%
nonylphenol(tech)	20%	134%
4-n-nonylphenol	42%	40%
bisphenolA	4%	7%
4-cumylphenol	n.d.	10%
4,4'-(ethylidene) bisphenol	n.d.	10/%
Bisphenol-A	n.d.	0,1%
Bisphenol A diglycidyl ether	n.d.	1%
4,4'cyclohexylidene bisphenol	n.d.	0,1%
Bis-(4-hydroxyphenyl)-methane	n.d.	1%

**Specificity**

This antibody is specific for several alkylphenols

**Tested applications**

ELISA

**Application notes**

Suggested concentration to use in ELISA: 1/200 from the delivered solution. Plates are coated with 400 ng/ml BSA-conjugated C6-or C8-alkylphenol. HRP-conjugated anti-rabbit IgG as a tracer 1/8,000

**Relevance**

Alkylphenols are known hormone-disrupting agents, which are found in the environment

**Raised in**

Rabbit

**Clonality**

Polyclonal

**Storage buffer**

Phosphate buffered saline

**Concentration**

Appr. 0.8 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**

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