Product Name
Specific IgG against Alkylphenol Rabbit M33, titer 3000 or 300 (at 50 % binding)

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-C6-alkylphenol conjugate

Cross Reactivity	**BSA-C6-AP**	**BSA-C8-AP**
Octylfenol	100%	100%
4-tert-Butylphenol	6%	7%
2-sec-Butylphenol	1%	0%
4-pentylphenol	556%	367%
4-n-heptylphenol	256%	194%
4-n-propylphenol	33%	10%
2-n-propylfenol	0%	0%
4-Isopropylphenol	6%	10%
4-n-hexylphenol	300%	500%
4-chloro-2-cyclo-hexylphenol	0%	1%
nonylphenol(tech)	12%	18%
4-n-nonylphenol	30%	50%
Bisphenol A	8%	7%
4-cumylphenol	n.d	200%
4-Octylphenol	n.d	100%
4,4'-(ethylidene) bisphenol	n.d	100%
Bisphenol A diglycidyl ether	n.d	500%
Phenol	n.d	0%
4,4'cyclohexylidene bisphenol	n.d	200%
Bis-(4-hydroxyphenyl)-methane	n.d	200%

Specificity
This antibody is specific for several alkylphenols

Tested applications
ELISA

Application notes
Suggested concentration to use in ELISA: 1/3000 or 1/300 depending of the coating conjutate used from the delivered solution. Plates are coated with 400 ng/ml BSA-conjugated C6/C8-alkylphenol. HRP-conjugated anti-rabbit IgG as a tracer 1/8000

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