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Product datasheet for AP33039PU-N

Alkylphenols (Nonylphenol, Octylphenol) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	AP, ELISA
Recommended Dilution:	**ELISA:** 1/200, depending on the conjugate used for detection. For positive controls ELISA plates are coated with 400 ng/ml BSA-conjugated C6/C8-Alkylphenol. HRP-conjugated anti-Rabbit IgG as a tracer 1/8,000. **Immunoaffinity Chromatography:** Antibody can be coupled to solid support materials.
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	BSA-C8-Alkylphenol conjugate

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Specificity: This antibody is is specific for several Alkylphenols (a family of comparable compounds; as an example nonylphenol is given), *CAS no.:* 104-40-5
Cross Reactivity: BSA-C6-AP / BSA-C8-AP:
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%.
Bisphenol-A: 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%.

Formulation: PBS, pH 7.2
State: Purified
State: Liquid purified IgG fraction
Preservative: 0.02% Sodium Azide

Concentration: lot specific

Purification: Caprylic Acid Extraction

Conjugation: Unconjugated

Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Background: Alkylphenols are used as starting material for the production of surface active substances, detergents, pesticides, paints, textile and paper. It is released during the production and use of these products. Alkylphenols are recognized as endocrine disruptors, in particular estrogenic endocrine disruptors.