

Product information

Antibody name:	anti-chlorinated phenols
Product number:	P28C-2
Quantity:	1 ml
Clonality/purity:	polyclonal antibodies
Host:	rabbit
Immunogen:	5-chlor-2-hydroxybenzoic acid conjugated to BSA
Applications:	ELISA. Optimal dilutions are dependent on conditions and should be determined by the user. Other applications not tested.
Specificity:	Reacts with bromophosmethyl, bromophosethyl, diclofopmethyl, triadimenol, 2-methyl-4-chlorphenoxyacetic acid (MCPA), 4-(4-chloro-2-methylphenoxy)butanoic acid (MCPB), mecoprop, 2,4-Dichlorophenoxyacetic acid (2, 4-D), 2,4,5-trichlorphenol (2, 4, 5-TP), dichlorprop. Other molecules with the same chemical structure can be also detected.
Storage buffer:	Phosphate buffered saline, pH 7.2; 0.05% Sodium Azide (NaN ₃)
Storage:	Store at +4°C up to one month or in aliquots at -20°C for longer. Avoid repeated freezing and thawing.
Description:	Chlorinated aromatics, such as chlorophenols, are environmental pollutants of great health concern. These compounds have widely been used in the production of pesticides, herbicides, and wood preservatives. They can also be generated as byproducts in industrial operations, such as the paper pulp bleaching process and water disinfection with chlorine. Being released into the environment, chlorophenols can enter water streams through various transport mechanisms and can also chemisorb onto soil surfaces and aquatic sediments. Due to their toxicity, these xenobiotics are consequently harmful to humans, animals, and fish that are exposed to such contaminated environments. Because of their toxic properties to microorganisms, these compounds are also recalcitrant to conventional biological treatment.
Related products:	The antibodies are available in the form of ELISA-tests and immunosticks for rapid sample preparation. Please, contact us for information on these products.