

Product datasheet for **AP33031PU-N**

Glyphosate Chicken Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	AP, ELISA
Recommended Dilution:	ELISA: Dilution 2,000 from the delivered solution (depending on conjugate). (The titer is defined as the dilution that gives 50% of the maximum absorbance when tested with ELISA). This anti-Glyphosate antibody is applicable for any type of (waste) water sample. The detection limit is 2,5 µg/l, the end concentration is 100 µg/l. Standard curve runs from 5-100 µg/l. (For an optimal ELISA result use high affinity plates. Recommended assaybuffer 0.1M PBS, 1% BSA heat-treated, pH 7.4). The antibody can be used coupled to column material for IAC.
Host:	Chicken
Isotype:	IgY
Clonality:	Polyclonal
Immunogen:	BSA-Glyphosate Conjugate. Source: Chicken egg yolk, purified by PEG extraction.
Specificity:	<i>Glyphosate</i> , CAS no.: 1071-83-6, Solubility: Water.
Formulation:	PBS, pH 7.2 State: Purified State: Liquid purified IgY fraction
Concentration:	lot specific
Purification:	PEG Extraction
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. For long term storage addition of 0.02% sodium azide is advised. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

Glyphosate (N-(phosphonomethyl) glycine) is a non-selective systemic herbicide, used to kill weeds, especially perennials and broadcast or used in the cut-stump treatment as a forestry herbicide.