

Anti Dioxin Monoclonal Antibody

Cat. No. YM010

Lot No. 5A12B5170531

Description: This antibody was raised in a mouse by immunization with porcine thyroglobulin (pTG) conjugate of Dioxin. The product vial contains 1 mg purified IgG₁ of the titled antibody obtained by lyophilizing its 0.01M PBS (pH 7.2, 1 mL) solution without preservative. It can be used for immunoassay or any other immunoreaction with dioxin (2,3,7,8-Tetrachlorodibenzo-*p*-dioxin).

Immunogen: 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin-pTG-conjugate

Host: Mouse

Isotype: IgG₁ (Protein A purified)

Product Form: Lyophilized

Size: 1 mg/vial

Reconstitution: Reconstitute the product with 1 mL distilled water to make 1 mg/mL stock solution of 0.01M PBS. If it is stored in a refrigerator, add moderate antiseptic to the solution (e.g. NaN₃ 0.1%).

Storage: The product will be stable for over one year if it be stored at -20°C to -80°C until opened. Upon reconstitution, the antibody solution must be stored at 2°C to 8°C and used within one month. Repeated freezing-thawing should be avoided.

Suggested Working Dilution Range: Optimal dilution should be determined by each laboratory for each application.

Specificity (based on EIA):

	Dioxins	Crossreactivity
PCDDs	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	100.00%
	2,3,7-Trichlorodibenzo- <i>p</i> -dioxin	15.00%
	1,2,3,7,8-Pentachlorodibenzo- <i>p</i> -dioxin	0.60%
	1,2,3,4,6,7,8,9-Octachlorodibenzo- <i>p</i> -dioxin	< 0.10%
PCDFs	2,3,4,7,8-Pentachlorodibenzofuran	14.80%
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran	< 0.01%
Co-PCB	3,3', 4,4', 5-Pentachlorobiphenyl	0.50%
	2,3', 4,4', 5-Pentachlorobiphenyl	< 0.10%

FOR RESEARCH USE ONLY

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