

**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 IgG<sub>1</sub> 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:** IgG<sub>1</sub> (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. NaN<sub>3</sub> 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 LABORATORY USE ONLY**  
DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTIBODY



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