

## Product datasheet for **AM00673PU-N**

### **Clostridium difficile Toxin A Mouse Monoclonal Antibody [Clone ID: PCG4.1]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	PCG4.1
Applications:	ELISA
Recommended Dilution:	<b>ELISA</b> (1/1000). <b>Western Blot</b> (Reported).
Reactivity:	Clostridium difficile
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	C. difficile Toxin A. Hybridization of Sp2/0 myeloma cells with spleen cells from Balb/c mice.
Specificity:	This antibody reacts with <i>C. difficile Toxin A</i> . Does <b>not</b> cross react with <i>C. difficile Toxin B</i> .
Formulation:	10mM Sodium Phosphate, pH 7.4 ± 0.2 containing 150 mM Sodium Chloride State: Purified State: Liquid purified (0.2µm filtered) IgG fraction (>90% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A Chromatography
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.
Database Link:	<a href="#">P16154</a>



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**Background:** Clostridium difficile, or C. difficile, a gram positive anaerobic bacterium, is the major causative agent of colitis and diarrhoea that can occur following antibiotic intake. C. difficile infection is one of the most common hospital acquired infections. When C. difficile colonize the gut, they release two potent toxins, toxin A and toxin B, which bind to certain receptors in the lining of the colon and ultimately cause diarrhoea and inflammation of the large intestine.

**Synonyms:** toxA, tcdA

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.