

Product datasheet for **AM00845PU-N**

Giardia lamblia Mouse Monoclonal Antibody [Clone ID: BDI612]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BDI612
Applications:	ELISA, IF, WB
Recommended Dilution:	ELISA. Western Blot. IFA.
Reactivity:	Giardia lamblia
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Intact formalin-fixed cysts.
Specificity:	This antibody is specific to the 65kDa Giardia antigen. Detects cysts.
Formulation:	0.01M PBS, pH 7.2 containing 0,09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction (>90% pure).
Concentration:	lot specific
Purification:	Protein A Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

Giardiasis is a diarrhoeal illness caused by a single celled microscopic protozoan parasite, *Giardia lamblia*, also known as *Giardia intestinalis*. *Giardia lamblia* exists in two forms, an active form called a trophozoite, and an inactive form called a cyst. The active trophozoite attaches to the lining of the small intestine and is responsible for causing the signs and symptoms of giardiasis. The trophozoite cannot live long outside of the body and spread of infection is via the cyst which is excreted in the host's faeces. When it is ingested, stomach acid activates the cyst, and the cyst develops into the disease causing trophozoite in the new host. Giardiasis is diagnosed by finding cysts or trophozoites in the faeces.