



# Giardia lamblia 65 kDa antigen (6241): sc-58132

## BACKGROUND

*Giardia lamblia* is a flagellated protozoan parasite that infects mammalian gastrointestinal tracts and causes giardiasis, a type of gastroenteritis that manifests itself with severe diarrhea and abdominal cramps. *Giardia lamblia* infection is transmitted by consuming contaminated food or water, or through mammalian feces. The *Giardia* protozoan cannot survive in an environment outside of the host, so it is spread as a cyst, which can live in the environment for up to a month, and enters its trophozoite active form after infection. After the feeding stage, the *Giardia* trophozoite undergoes asexual replication through longitudinal binary fission. The resulting trophozoites and cysts then pass through the digestive system in the feces. The trophozoite form of *Giardia* can be recognized by its large karyosome and lack of peripheral chromatin, while the cyst form contains four nuclei and a retracted cytoplasm.

## REFERENCES

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## SOURCE

Giardia lamblia 65 kDa antigen (6241) is a mouse monoclonal antibody raised against *Giardia lamblia*.

## PRODUCT

Each vial contains 100 µg IgG<sub>1</sub> in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## APPLICATIONS

Giardia lamblia 65 kDa antigen (6241) is recommended for detection of the 65 kDa antigen of *Giardia lamblia* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Molecular Weight of Giardia lamblia 65 kDa antigen: 65 kDa.

## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.