

Giardia lamblia 65 kDa antigen (6251): sc-58133

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 (6251) is a mouse monoclonal antibody raised against *Giardia lamblia*.

PRODUCT

Each vial contains 100 µg IgG_{2b} 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 (6251) 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 for detailed protocols and support products.