Giardia lamblia 65 kDa antigen (6261): sc-58134

**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 reproduction 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**


**SOURCE**

*Giardia lamblia* 65 kDa antigen (6261) is a mouse monoclonal antibody raised against *Giardia lamblia*.

**PRODUCT**

Each vial contains 100 µg IgG2b in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

*Giardia lamblia* 65 kDa antigen (6261) 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.

**RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-mouse IgG-HRP: sc-2005 (dilution range: 1:2000-1:32,000) or Cruz Marker™ compatible goat anti-mouse IgG-HRP: sc-2031 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use goat anti-mouse IgG-FITC: sc-2010 (dilution range: 1:100-1:400) or goat anti-mouse IgG-TR: sc-2781 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

**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 or our catalog for detailed protocols and support products.