Astrovirus (8E7): sc-53559

BACKGROUND
Astroviruses are uniformly small, spherical viruses which measure 28 nm in diameter and have a characteristic star-like appearance when viewed with an electron microscope. Astroviruses, which belong to the Astroviridae family, have been divided into eight human species, designated human Astrovirus (HAstV)-1 through HAstV-8. Seven human Astrovirus serotypes have been identified, three of which have been fully sequenced. Astrovirus-1 represents the most common of five serotypes. Astroviruses have a positive-sense single-stranded RNA genome. Unlike the caliciviruses, astroviruses do not encode a helicase. Astrovirus infection causes gastroenteritis, a relatively mild form of rotavirus enteritis with symptoms of diarrhea, vomiting and abdominal pain, that generally persist for a few days.

REFERENCES

SOURCE
Astrovirus (8E7) is a mouse monoclonal antibody raised against purified Astrovirus type 2.

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

PRODUCT
Each vial contains 200 µg IgG1 kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS
Astrovirus (8E7) is recommended for detection of Astrovirus by immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)]; may cross-react with all five known serotypes of astrovirus.

RECOMMENDED SUPPORT REAGENTS
To ensure optimal results, the following support reagents are recommended:
1) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

SELECT PRODUCT CITATIONS

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

PROTOCOLS
See our web site at www.scbt.com for detailed protocols and support products.