

**Question 38 – May 23**

A 50 year old female patient undergoes EUS-FNA of a 3 cm subepithelial lesion. You suspect a benign leiomyoma. Which of the following immunohistochemistry combinations support your diagnosis?

- A. C-kit (-), CD34 (-), desmin (+), actin (+), S-100 (-)
- B. C-kit (+), CD34 (+), desmin (-), actin (-), S-100 (-)
- C. C-kit (-), CD34 (-), desmin (-), actin (-), S-100 (+)
- D. C-kit (+), CD34 (-), desmin (-), actin (-), S-100 (-)

Answer: A

Leiomyoma are similar to GIST both by morphology and by histology. However, at immunohistochemistry leiomyoma are negative for c-kit and CD 34 (commonly used to diagnose GIST) and positive for actin and desmin.