Caption:   
Optical Z-axis sections of caveolin-2 associated with chlamydial inclusion membranes. FRT cells were infected with C. trachomatis serovar K for 48 h. Cells were fixed with 10% cold methanol and double stained with a guinea pig anti-Chlamydia and a mouse anti-caveolin-2 antibody. The secondary antibodies were FITC-conjugated goat anti-mouse and TRITC-conjugated goat anti-guinea pig antibody. Slides were examined using a laser confocal microscope and optical Z-axis sections were taken at 0.5 μm depth and images merged using the Confocal Assistant™ version 4.02 Image Processing Software. Original magnification: 600X; the scale bar is 25 μm in length.

Question: What was the secondary antibody used for staining the guinea pig anti-Chlamydia antibody?   
   
A: FITC-conjugated goat anti-mouse   
B:TRITC-conjugated goat anti-rabbit   
C:FITC-conjugated goat anti-rat   
D:TRITC-conjugated goat anti-guinea pig

Answer: D: TRITC-conjugated goat anti-guinea pig.