



FIGURE 10.6 Detailed structure of muscle filaments. (a) The relation of thick (myosin), thin (actin), and elastic (titin) filaments in a sarcomere. Note that actin filaments are anchored directly at the Z discs while myosin filaments are connected to the Z discs by titin (also known as connectin). (b) About 200 myosin molecules comprise a thick filament. The myosin tails all point toward the center of the sarcomere. (c) Thin filaments contain actin, troponin, and tropomyosin.

