

# Your turn...

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- ☐ **M1: What class of meat is involved? What class(es) are not?**
- ☐ **M2-G1: What type of molecule are usually antigens? Why?**
- ☐ **G2-G4+: Describe the lab technique used to determine if the patient has the disease**
- ☐ **M3-M4: What is unusual about the time course of this reaction(s)?**

# Alpha Gal: Advanced

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- ☐ **Sx: Urticaria, angioedema, or anaphylaxis 3–6 hours after ingesting beef, lamb, or pork. May have a history of a tick bite.**
- ☐ **Unlike common allergens, which are usually proteins, this allergen is a carbohydrate found as part of the glycoproteins (including the chemotherapeutic monoclonal antibody **cetuximab**)**