

IMMUNOHISTOCHEMISTRY

Please **BRING YOUR ANSWERS TO THE Immuno lab (week 6 or week 7)** and they will be marked and discussed there.

- Consider the list of antibodies given below.
- Design a protocol to stain mouse muscle cells with MyoD (nuclear/cytoplasmic) and the basement membrane with laminin on the same section using immunofluorescence.
- Draw a simple diagram to help illustrate this.
- If you consider that some antibodies are not suitable for this double immunofluorescence, choose 2 and give your reasons for not including them in your staining protocol.

1. Rabbit anti-MyoD
2. Goat anti-MyoD
3. Rabbit anti-laminin
4. Rat anti-laminin
5. Donkey anti-goat IgG - Cy3 (Scarlet)
6. Goat anti-rabbit IgG - Cy3 (Scarlet)
7. Rabbit anti-goat IgG - ALEXA 488 (Green)
8. Donkey anti-rabbit IgG - ALEXA 488 (Green)