Mod 2 Day 6: Analysis & Planning II 10/30/2013

1. Pre-lab Discussion, Mid-Term Evaluations

2. <u>Western Blot</u>: Secondary antibody addition

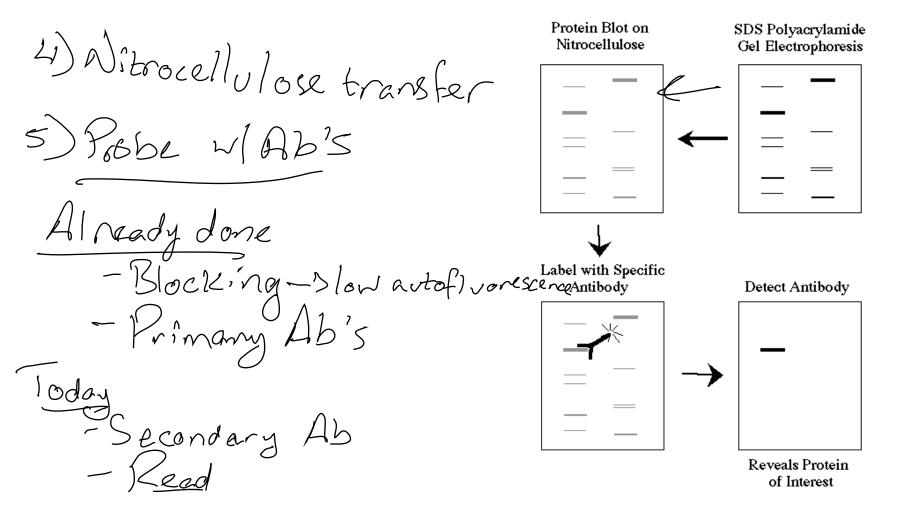
3. Imaging the Western Blot (Licor Odyssey)

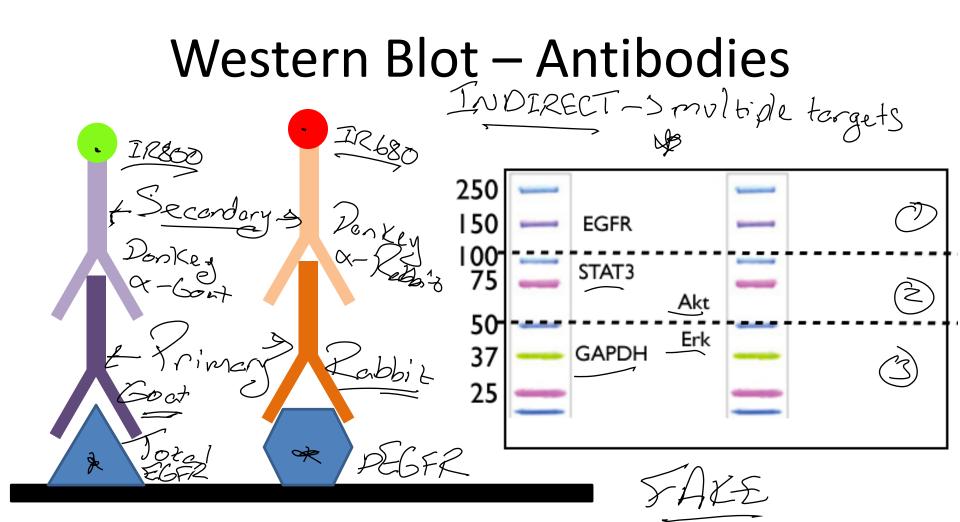
4. <u>Tissue Culture</u>: High Throughput Viability Assay

Notes on Introductions & Reports

- 1. Motivating sentence required! Why should I read your paper?
- 2. What is the goal? Let this be your guide.
- 3. Logical progression.
- 4. Preview of the rest of the manuscript hypothesis/methods/results/conclusions
- 5. Class-wide data

Throwback: Mod 2 Day 4: Western Blot



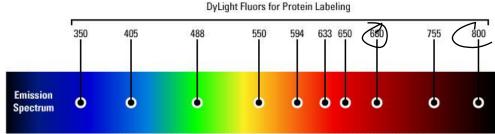


Host-specific antibodies:

Primary -

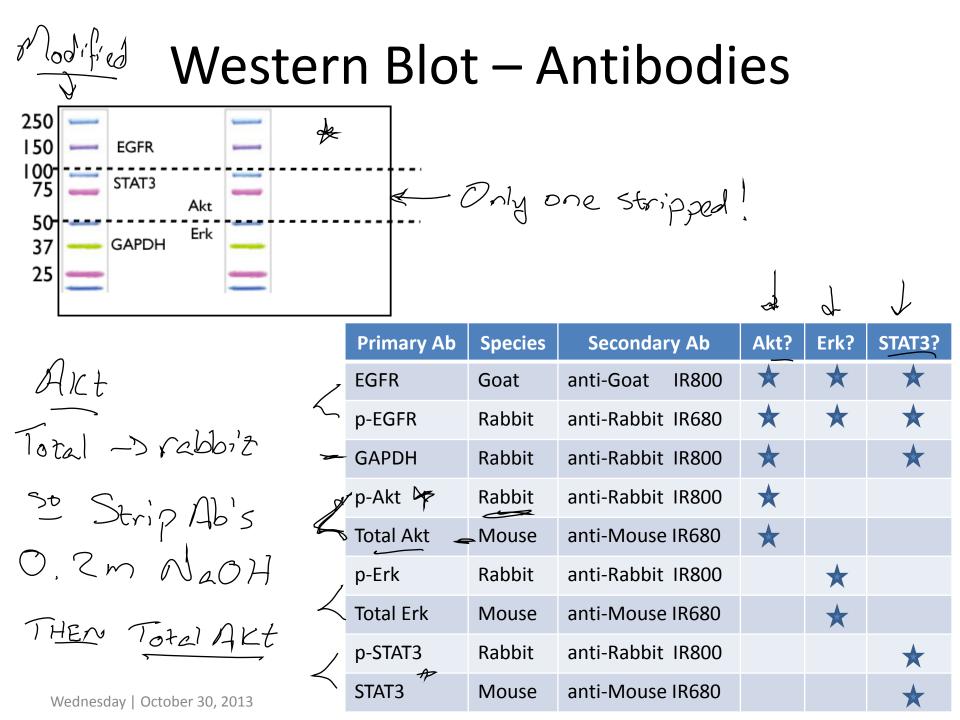
Secondary -

<u>goat anti-EG</u>FR <u>rabbit ant</u>i-pY1068-EGFR donkey <u>anti-goat</u> I<u>R800</u> donkey <u>anti-rabb</u>it IR680



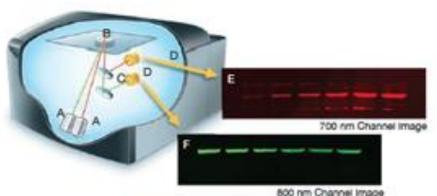
Click on a color above to jump to the respective DyLight Fluor labeling page Or see our new DyLight Specialty Dyes that span the length of the spectrum!

Wednesday | October 30, 2013



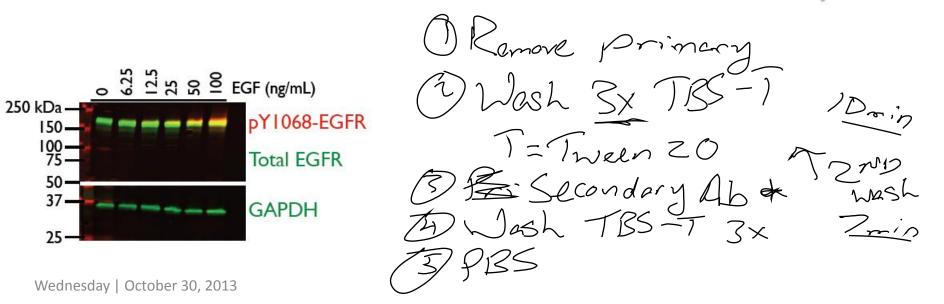
Read on Licor Odyssey

Inverted microscope/comment Lasers to excite fivor. Store for a long time





Overlaid images



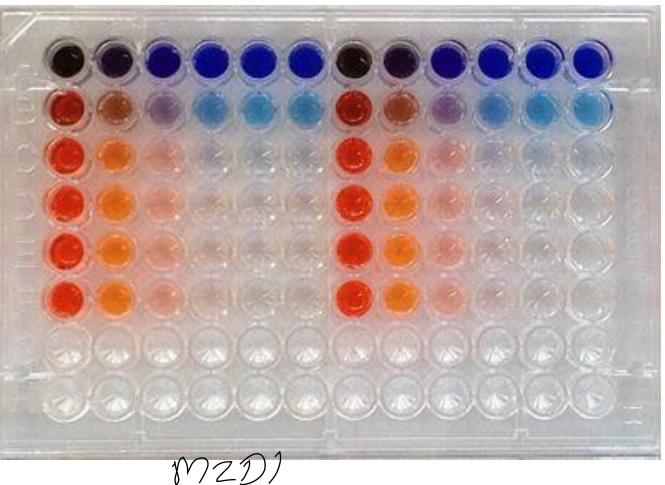
High-Throughput Viability Assay

(your choice inhib.) Inhibitor X —

Crobin,

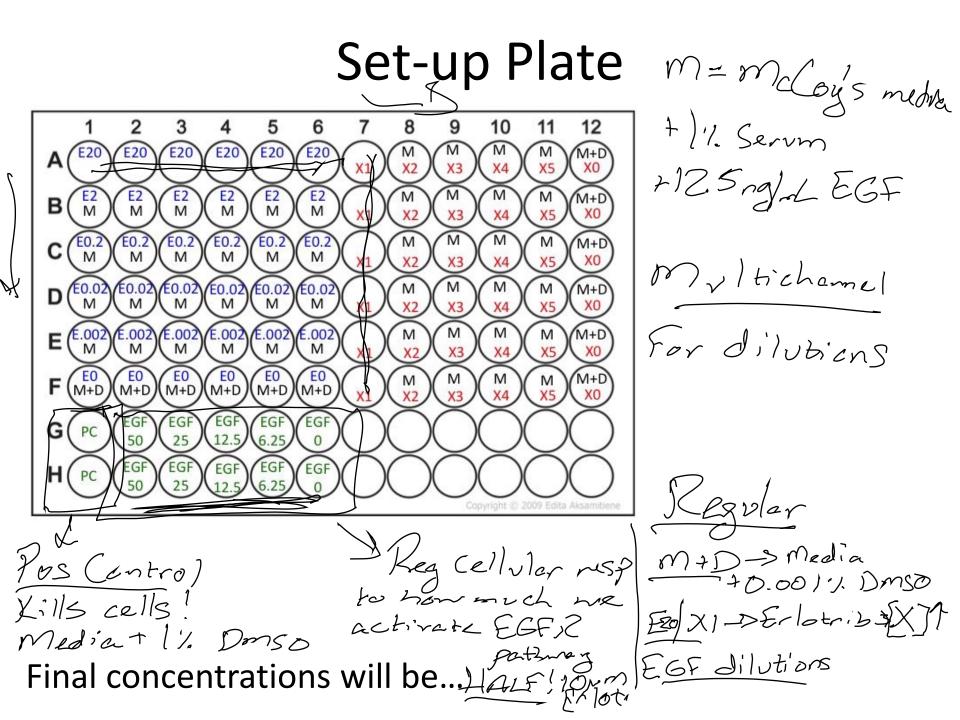
BINE

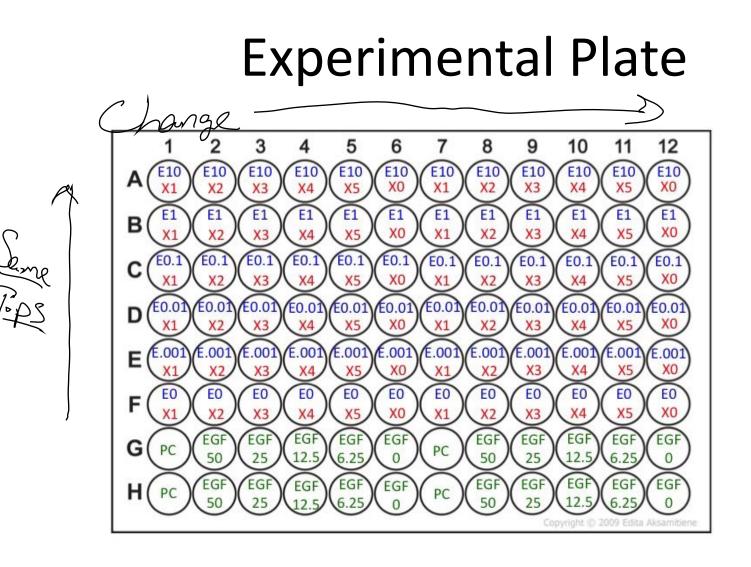
BUT, everything will be red this time (b/c media)



Di Vied

SED





Cell seeding density: 31,250cells/cm², 16 hours on plate Multichannel pipette for everything here!

Hints

- Have everything ready before media is removed from cells
- Do not change aspirating pipette/wash with ethanol between wells. Do not touch cells.

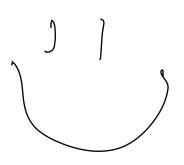
Leave a bit of medica

"Purposeful pace"!

Next time

- CellTiler-Glo
 - Add CTG reagent to lyse cells
 - Incubate for 20 minutes
 - Measure luminescence signal

Done!



Today!

- <u>Tissue Culture</u>: Orange, Yellow, Purple
- <u>Western Blot</u>: White, Pink, Green, Red, Blue

<u>Mod 2 Day 7</u>:

- CellTiler-Glo assay (here or in Koch)
- Analyze with Matlab/Excel on personal computer (can be done in lab or on your own time)
- M2D6 FNT due Sunday, Nov 2nd at 5pm to Stellar!