

- Announcements
- Quiz
- Pre-lab Lecture
 - ❖ ELISA
 - ❖ RT-PCR analysis

Announcements

- Module 3 report
 - Informal but clarity remains paramount
 - Due before you leave on Day 7
- Final project
 - Presentations on Day 8
 - HW, discussion on Day 6

4pm today seminar

ELISA

① Add protein → wash



② Block



Δ - collagen
○ - other

③ 1° antibody



④ Wash



→ milk protein

⑤ 2° antibody



⑥ Substrate for AP
→ color

1° - anti-collagen
(rabbit prod.)
wash - Tween 20
(soap)

2° antibody - anti-rabbit
(goat prod.)

⊛ - alkaline
phosphatase

RT-PCR analysis ^{upto ~10} default _{out}

- Be consistent
- Same analysis on different exposure times may give somewhat different results
- CN II / GAPDH ratio
CDR > MSC
- CN I / GAPDH ratio
MSC > CDR
- CNII / CN I ratio
** arbitrary, relative benchmark*
not ratio of actual transcripts

