

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

Announcements

- Setting grades in 20.109
- Module 2 revisions due D6, 11 am
 - Highlight changes in red
- Module 3 report due D7, 5 pm
 - Informal but clarity remains paramount
- Final project: presentations on Day 8
- Day 7 lecture
 - Atissa on presenting with a partner
 - WAC evaluation forms
- Day 8 lecture: special topics in TE
- Final lecture: class discussion/evaluation; party

ELISA

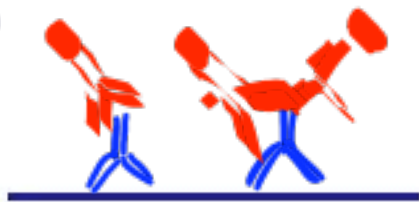
① bind proteins



③ 1° antibody



⑤



● alkaline phosphatase

② block w/ milk protein



④ wash (Tween = soap)



⑥ substrate for AP



colour of starting [protein]

△ collagen
○ other

1° Ab = anti-collagen
(produced in rabbit)

2° Ab = anti-rabbit
(prod. in goat)

RT-PCR analysis

- Be consistent
- Same analysis on different exposure times may give somewhat different results

- CN II / GAPDH ratio
CDRs > MSCs, CDRs > FBs
- CN I / GAPDH ratio
MSCs > CDRs, FBs > CDRs
- CN II / CN I ratio
*not arbitrary, relative benchmark,
≠ actual transcript ratio*

