Antibody-Based Assays

Immunoassays:
1. Competitive Assay
2. Noncompetitive Assay

Competitive:
Antibody is the limiting reagent;
“Molecular game of musical chairs”
Work regardless of size of antigen (hormone) molecules used.

Noncompetitive:
2 complementary antibodies used,
1 is labeled (think “sandwich”)

\* label; radioactivity, color, fluorescence, enzyme
∧ reporter Ab
o Antigen/Hormone
Y Capture Ab

Limited by size of hormone (it must be big enough to bind 2 Abs at the same time)