

# ABZYME

- Abzyme (**ab=antibody, zyme =enzyme**) is a monoclonal **antibody that expresses catalytic activity**.
- A single molecule of **abzyme**, is capable of catalyzing the destruction of thousands of target molecules.
- **Catalytic antibodies** are produced when an **antibody** is immunized with a **hapten** molecule
- Usually artificial, but may be seen naturally in individuals with autoimmune diseases like SLE
- A prospect for **HIV** treatment

©talking stethoscope



