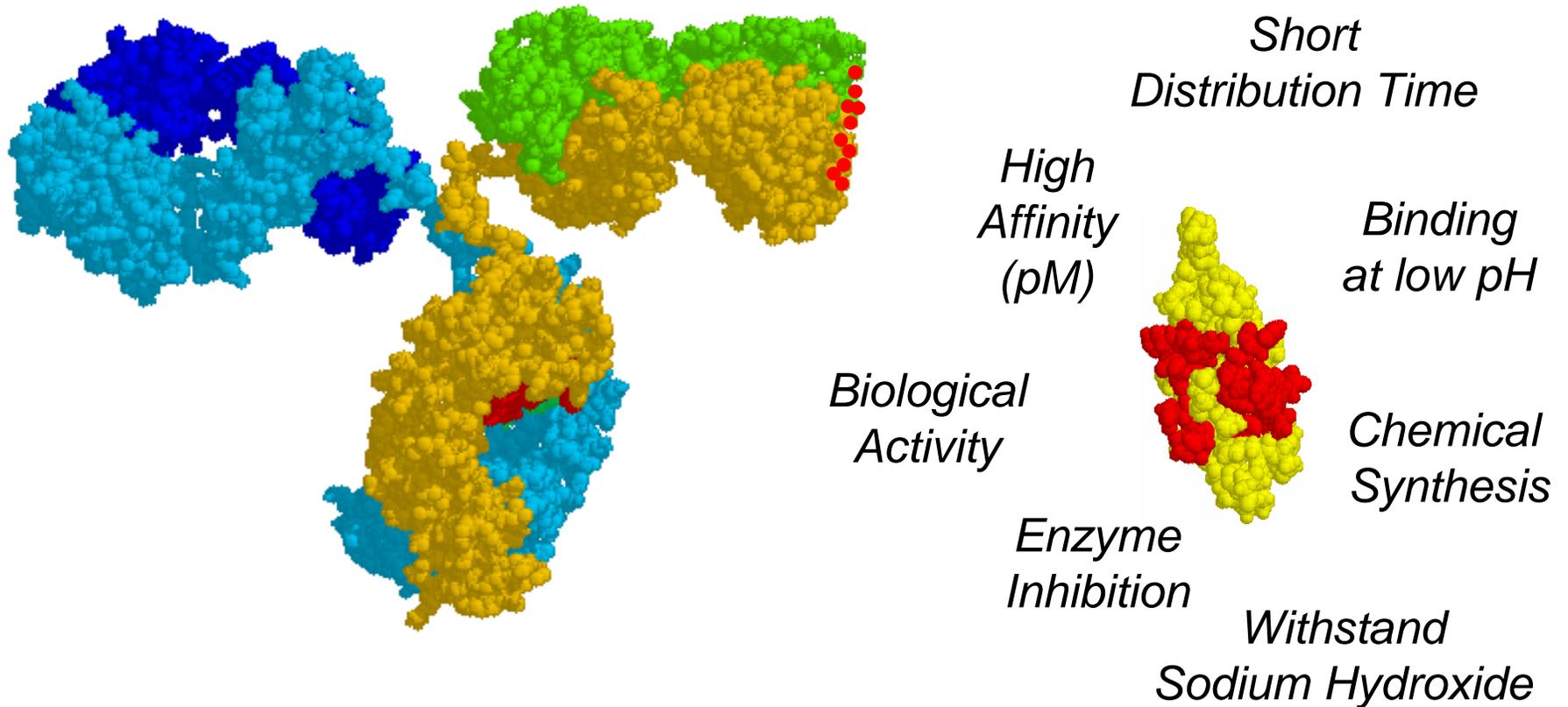
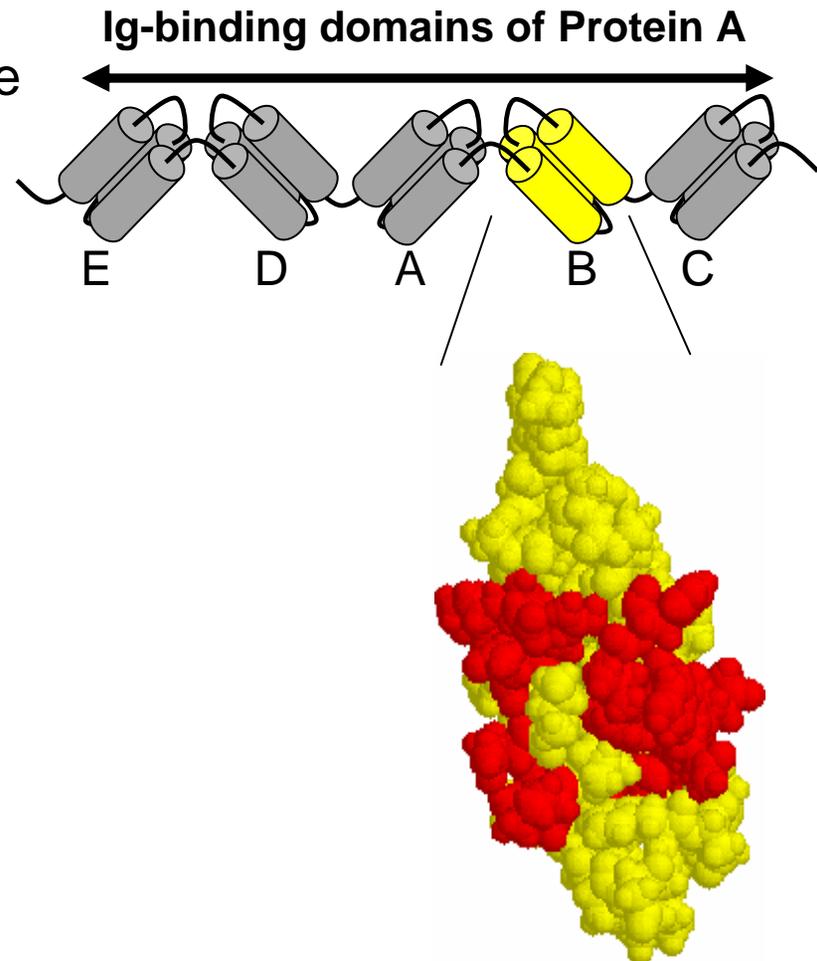


Affibody[®] Molecules Mimic and Exceed Antibodies

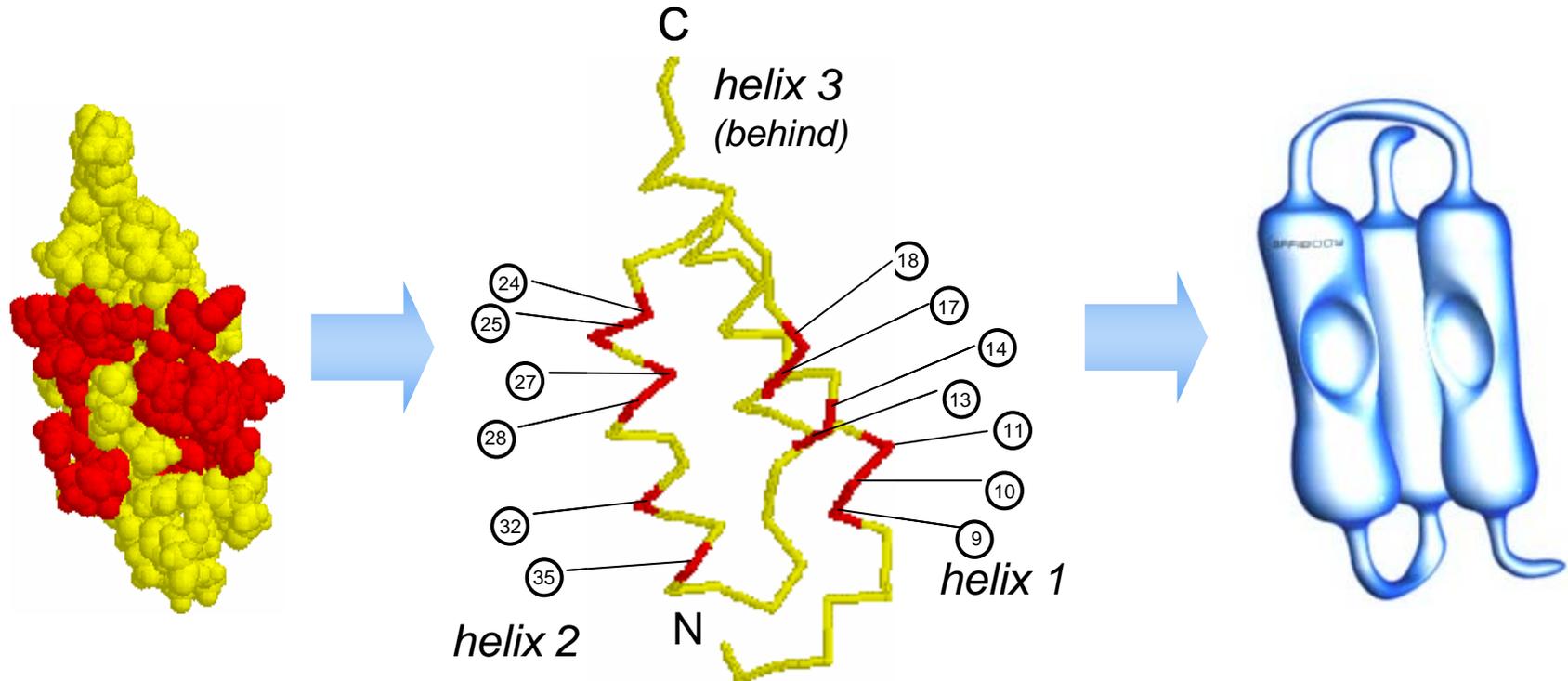


Affibody[®] Molecules – A Robust Scaffold

- Engineered on a three-helix bundle Protein A domain scaffold
- Small (58 aa, 6 kDa)
- Stable (temperature, pH, proteases, etc)
- Simple structure (no S-S)
- Flexible engineering
- Bacterial production or peptide synthesis



Affibody[®] Molecules – Diversity



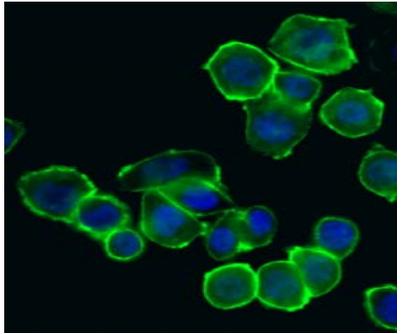
Protein A-domain scaffold

Randomization of 13 selected positions

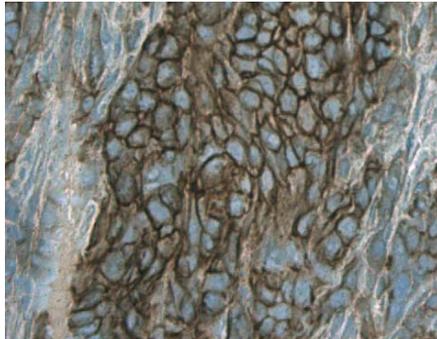
3×10^9 Affibody[®] library members

Nanomolar affinities to a variety of targets

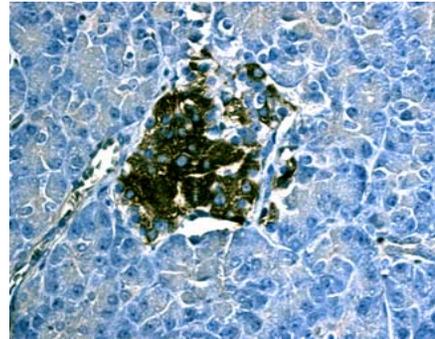
Applications



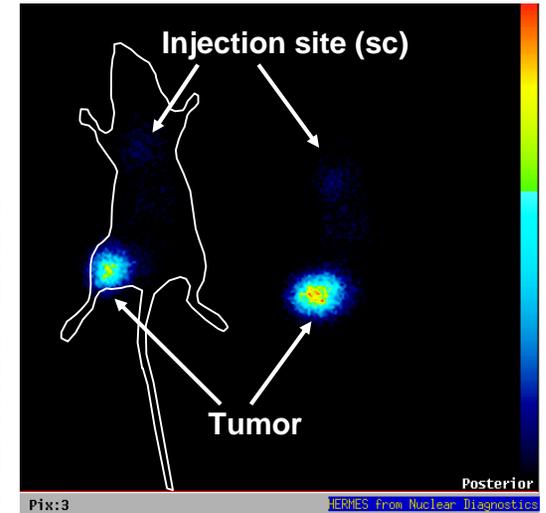
FITC labeled Anti-HER2 Affibody® molecule staining cells



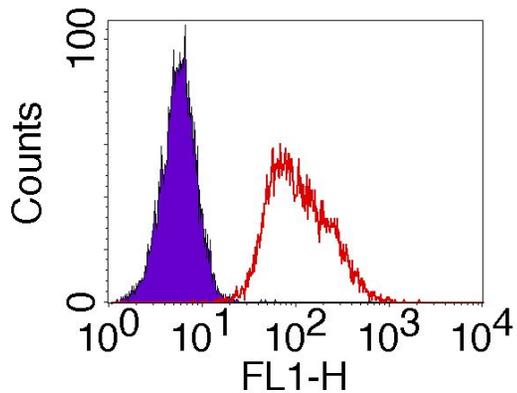
HRP labeled Anti-HER2 Affibody® molecule on frozen tissue section of SK-OV-3 xenograft tumors



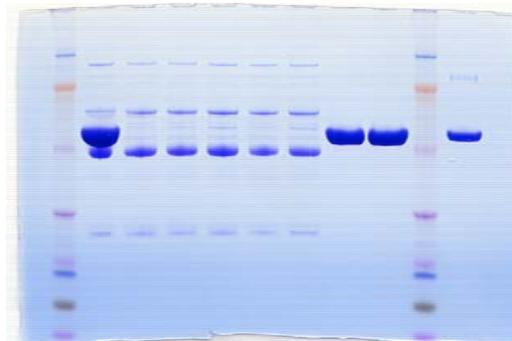
HRP labeled Anti-Insulin Affibody® molecule on paraffin embedded human pancreas



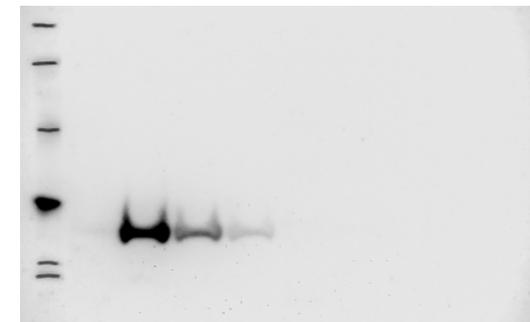
Iodine-125 labeled Anti-HER2 Affibody® molecule targeting a tumor in mice



Anti-HER2 Affibody® molecule used in Flow Cytometry



Anti-HSA Affibody® molecule used for depletion of abundant HSA in plasma



Anti-TNF alpha Affibody® molecule used in Immunoprecipitation

Affinity Capture Criteria

- Development and primary characterization in 12 weeks
- Cost-efficient production in *E. Coli*; catalog products available for \$650/mg lyophilized protein
- Specificity and sensitivity characterized by ELISA, dot blot analysis and Biacore
- Application protocols for Immunofluorescence, IHC, ELISA, Immunoprecipitation, Flow Cytometry, etc



www.affibody.com/shop