

CHEM 523

Thursday, 2 September 2021

- ① Wash the resin with sample buffer
- No sample
- ② Load the protein sample onto the column
- ③ Wash the unbound proteins from the column.
- ④ Elute the protein from the column.
- ⑤ Wash the resin with buffer to preserve it.

Ion Exchange Cation:

Low ionic strength

Low salt concentration

MCAC

N^{2+}

Co^{2+}

Fe^{2+}

Zn^{2+}



Imidazole

SDS-PAGE only tells you

Rel. Mass and Purity

NOT Identification

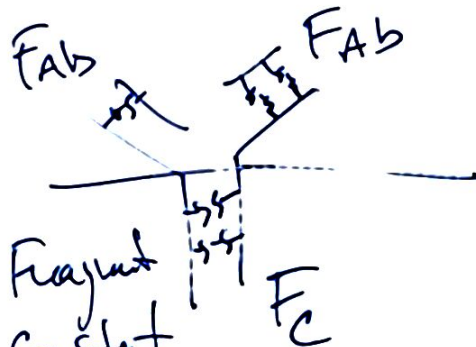
Specific Activity

$$\frac{\text{rate of enzyme activity}}{\text{total amount of protein in sample}}$$

Antibodies bind Epitopes of Antigens

Ab = Antibody

Ag = Antigen



F_{AB} = Fragment
Antigen
Binding

F_C = Fragment
Crystallizable