

**cooperativity**

Interaction between the *substrate* binding sites of an *allosteric enzyme* . Binding of a substrate molecule to one binding site changes the affinity of the binding sites on the other subunits (cf. allosteric enzymes) to the substrate by induction of a conformation change at the other binding sites. Cooperative enzymes typically display a sigmoid (S-shaped) plot of the reaction rate against substrate concentration.

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