

METHOD FOR ANTIBODY TARGETING OF DIAGNOSTIC OR THERAPEUTIC AGENTS

ABSTRACT

The targeting capability of an antibody is enhanced using an antibody-enzyme conjugate and a separate soluble substrate-agent conjugate, wherein the targeted enzyme catalyzes the conversion of a soluble substrate, bearing at least one therapeutic or diagnostic agent, to a product comprising the agent, which accumulates at the target site for effective treatment or diagnosis. This method is useful for targeting any type of agent to a site to which an antibody can selectively bind, including use for imagining, eg., tumors, infectious lesions, fibrin clots, myocardial infarctions, non-cancerous cells, damaged normal cells, atherosclerotic plaque, lymphocyte autoreactive clones, and for therapy, eg. with drugs, toxins, immune modulators, radioisotopes or antibiotics.