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A novel chronoamperometric immunosensor for rapid detection of TNF- α in human saliva

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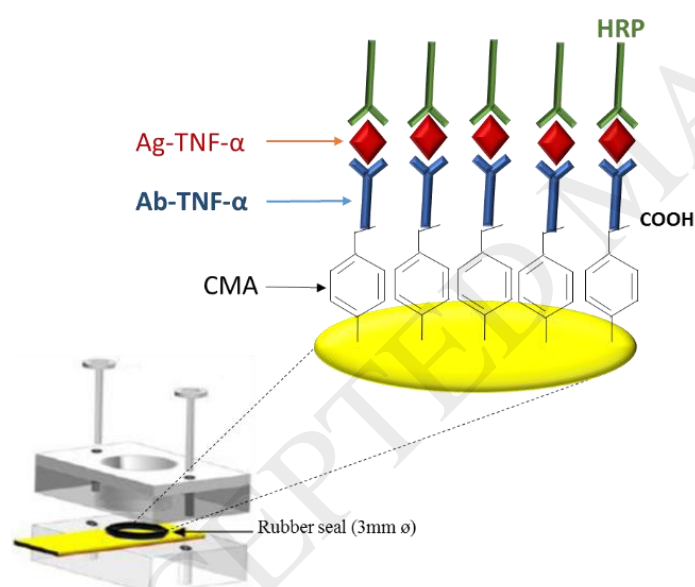
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Graphical abstract



Schematic illustration of the electrochemical cell and the modified immunosensor surface with a sandwich type Ab-TNF- α @HRP-- Ag-TNF- α -- Ab-TNF- α

Highlights

- Novel chronoamperometric immunosensor for rapid detection of TNF- α
- Chemical surface modification of gold WE to immobilize antibodies
- Sandwich type detection Antibody---TNF- α ---Antibody with HRP
- TNF- α detection in PBS, artificial Saliva and Human Saliva
- Interference study with other cytokines as IL-10 and cortisol in saliva.

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