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The present disclosure relates generally to the field of biochemical kits. More specifically, the disclosure is directed to a diagnostic kit for the determination of PD-1 immunological complex in a sample. The kit comprises a dissolution solution A comprising ammonium sulfate, Ethylenediaminetetraacetic acid (EDTA), and trifluoroethanol; a reaction medium B comprising a copper solution and a base; and a dentauration solution C comprising an acid.

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