



Measuring immunity [basic biology and clinical assessment]

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Libros electrónicos

Monografía

Most of the diseases of modern mankind involve either acute or chronic inflammation. Measuring Immunity integrates the current information available on biomarkers and surrogate assays into a single handbook. It highlights the principles behind various applications, gives a brief summary on how they are conducted and provides detailed and critical analyses of murine models of immunity, clinical trials, and tests to predict utility and benefit. Measuring Immunity is indispensable for scientists and clinicians interested in the clinical applications of modern immunobiology.
* Defines which assays of immune function are helpful in the assessment of clinical disorders involving inflammation and immunity
* Assesses the dynamics of cellular and soluble factors in the peripheral blood using modern techniques
* Includes basic science foundations as well as the approaches currently applied

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMTY4ODkwMzA>

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Contenido: Introduction -- Preface -- FUNDAMENTALS OF THE IMMUNE RESPONSE -- MHC Class I -- MHC Class II -- Cytokine receptor heterogeneity -- Measuring cytokine polymorphisms: functional variations and disease associations -- Signaling molecules affecting immune response -- Toll like receptors in innate immunity -- DNA sequence-specific transcription factors -- Genetic factors diversity in NK and NKT cells -- SEROLOGIC ASSAYS -- Handling sera and obtaining fluid from different compartments practical considerations -- Acute- phase proteins and inflammation: immunological and clinical implications, Complement in health and disease -- Immunoglobulin titers and immunoglobulin subtypes -- Human antiglobulin responses -- Measuring Rheumatoid Factors -- Autoantibodies -- Measuring antibody affinity using fluorescence -- SLE associated tests -- Multiplexed

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