1. Record Nr. UNISA996396905103316

Autore	Collier Thomas <fl. 1691.>
Titolo	The exaltation of Christ in the dayes of the Gospel [[electronic resource]] : as the alone high-priest, prophet, and king of saints / / by Thomas Collier .
Pubbl/distr/stampa	London, : Printed by R.L. for Giles Calvert ..., 1647
Edizione	[The second edition /]
Descrizione fisica	[12], 259 p
Altri autori (Persone)	KnollysHanserd <1599?-1691.>
Soggetti	Theology, Doctrinal
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"To the reader" signed: Hanserd Knollys. Running title: Christ exalted as the alone high-priest of saints. Imperfect: print show-through. Reproduction of original in the Union Theological Seminary Library, New York.
Sommario/riassunto	eebo-0160

2. Record Nr. UNINA9910953846303321

Titolo	Biologic markers in immunotoxicology / / Subcommittee on Immunotoxicology, Committee on Biologic Markers ... [et al.]
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1992
ISBN	9786610212064 9781280212062 1280212063 9780309595049 0309595045 9780585026114 0585026114
Edizione	[1st ed.]
Descrizione fisica	1 online resource (224 p.)
Disciplina	615.9/07
Soggetti	Immunotoxicology Biochemical markers
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. 149-181) and index.
Nota di contenuto	Biologic Markers in Immunotoxicology -- Copyright -- Preface -- Contents -- List of Abbreviations -- Summary -- HYPERSENSITIVITY -- AUTOIMMUNITY -- IMMUNE SUPPRESSION -- BIOASSAYS OF IMMUNOTOXICITY -- CLINICAL APPLICATION OF EXISTING IMMUNOTOXICOLOGIC BIOLOGIC MARKERS -- ROLE OF BIOLOGIC MARKERS OF IMMUNOTOXICITY IN EPIDEMIOLOGY -- INDOOR AIR POLLUTION AND MULTIPLE CHEMICAL SENSITIVITY -- 1 Introduction -- BIOLOGIC MARKERS -- Markers of Exposure -- Markers of Effect -- Markers of Susceptibility -- VALIDITY OF BIOLOGIC MARKERS -- UNCERTAINTY AND RISK -- ETHICAL AND PRACTICAL ISSUES -- STRUCTURE OF THE REPORT -- 2 The Structure and Function Of the Immune System And Mechanisms of Immunotoxicity -- DEVELOPMENT AND FUNCTION OF THE IMMUNE SYSTEM -- MECHANISMS OF CHEMICALLY INDUCED IMMUNE DISEASE -- IgE-Mediated Hypersensitivity -- Complement-Mediated and Immune-Complex-Mediated Injury -- T-Cell Reactions -- EFFECTS OF XENOBIOTICS ON

THE IMMUNE SYSTEM -- 3 Biologic Markers For Immune-Mediated Disease -- DEFINITION OF THE PROBLEM -- EXPOSURE THROUGH INHALATION (PULMONARY HYPERSENSITIVITY) -- Occupational Asthma and Rhinitis -- Hypersensitivity Pneumonitis -- EXPOSURE THROUGH INGESTION -- DERMAL EXPOSURE -- Contact Dermatitis -- Photocontact Dermatitis -- Contact Urticaria -- NONSPECIFIC IMMUNE ENHANCEMENT -- BIOLOGIC MARKERS OF HYPERSENSITIVITY -- History and Clinical Signs -- Skin Tests -- Serum IgE Concentration -- In Vitro Assays for Specific Antibody -- In Vitro Assays for Cellular Immunity -- Provocation Challenges -- Bronchoalveolar Lavage -- ANIMAL MODELS FOR DETECTING CHEMICALLY MEDIATED HYPERSENSITIVITY -- Techniques Used in Animal Studies to Determine the Potential of Chemicals to Cause Hypersensitivity -- IgE-and IgG-Mediated Immediate Reactions -- Cytotoxic Reactions -- Antigen-Antibody Complexes -- Contact Hypersensitivity -- SUMMARY.
RECOMMENDATIONS FOR FUTURE RESEARCH -- IgE Sensitivity -- Immunologically Mediated Adverse Reactions -- Local Versus Systemic Immunity -- Sensitizers -- Individual Differences in Sensitivity -- Development of Self-Antigens -- Effects of Exposure Conditions -- Epidemiology -- IGE AND CELLULAR IMMUNITY -- Cellular and Antibody Immunity -- Individual Variability -- Local Versus Systemic Immunity -- Organic Versus Chemical Hypersensitivity -- Effects of Exposure -- Particle Composition -- Chemical Haptens -- 4 Autoimmune Diseases -- DEFINITION OF THE PROBLEM -- INCIDENCE OF AUTOIMMUNE DISEASES -- SUSCEPTIBILITY VERSUS EXPOSURE -- XENOBIOTIC-INDUCED AUTOIMMUNITY -- MECHANISMS -- ANIMAL MODELS -- BIOLOGIC MARKERS -- MAJOR HISTOCOMPATIBILITY COMPLEX -- IMMUNOGLOBULIN ALLOTYPES -- OTHER GENETIC MARKERS -- RATE OF ACETYLATION -- Antinuclear Antibodies -- Specific Tissue Autoantibodies -- Histopathologic Examination -- Immune Complexes -- Complement -- SUMMARY AND RECOMMENDATIONS -- 5 The Capacity of Toxic Agents to Compromise the Immune System (Biologic Markers of Immunosuppression) -- CONSEQUENCES OF IMMUNOSUPPRESSION -- ENVIRONMENTAL CONTAMINANTS -- Human Studies -- Experimental Studies -- Aromatic Hydrocarbons -- Benzene -- Metals -- Complex Mixtures -- Miscellaneous -- INHALATION AND IMMUNOSUPPRESSION -- SKIN AND IMMUNOSUPPRESSION -- MYELOTOXICITY AND IMMUNOSUPPRESSION -- DIFFICULTIES IN ESTABLISHING HUMAN RISK -- FACTORS THAT AFFECT SUSCEPTIBILITY -- Age and External Factors -- Metabolic Differences -- Species Differences -- IMPORTANCE OF MECHANISTIC STUDIES -- SUMMARY -- RECOMMENDATIONS -- 6 Animal Models for Use in Detecting Immunotoxic Potential And Determining Mechanisms of Action -- ANIMAL IMMUNOTOXICITY BIOASSAYS -- Pathologic Evaluation -- Humoral Immunity -- Cellular Immunity -- Nonspecific Immunity -- Bone Marrow -- Host Resistance.
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Sommario/riassunto

Are environmental pollutants threatening the human immune system? Researchers are rapidly approaching definitive answers to this question, with the aid of biologic markers--sophisticated assessment tools that could revolutionize detection and prevention of certain diseases. This volume, third in a series on biologic markers, focuses on the human immune system and its response to environmental toxicants. The authoring committee provides direction for continuing development of biologic markers, with strategies for applying markers to immunotoxicology in humans and recommended outlines for clinical and field studies. This comprehensive, up-to-date volume will be invaluable to specialists in toxicology and immunology and to biologists and investigators involved in the development of biologic markers.