1.	Record Nr.	UNINA9911031632603321
	Autore	Rezaei Nima
	Titolo	Cancer Diagnosis : Tumor Immunodiagnostic Tests / / edited by Nima Rezaei
	Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
	ISBN	3-032-00763-1
	Edizione	[1st ed. 2025.]
	Descrizione fisica	1 online resource (1162 pages)
	Collana	Handbook of Cancer and Immunology, , 3091-3675 ; ; 4
	Disciplina	616.9940756
	Soggetti	Cancer Immunology Immunotherapy Tumors - Immunological aspects Cancer - Treatment Cancer Biology Tumour Immunology Cancer Therapy
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Introduction on Cancer Immunodiagnosis -- Immunodiagnostics A Perspective on Sensitivity, Specificity, and Stability of Tumor Antigens -- Immunohistochemistry and Molecular Biology of Cancer -- Immunohistochemistry in the Diagnosis of Primary and Secondary Cancers -- Biomarkers for Monitoring the Immunotherapy Response to Cancer -- Predictive and On Treatment Monitoring Role of Circulating Biomarkers in Immuno-oncology -- Autoantibodies as Diagnostic Cancer Biomarkers -- Proteomics and Protein Biomarkers in Cancer Metastasis -- Role of Cyclin-Dependent Kinase Inhibitors (CKIs) as a Prognostic Biomarker for Cancer -- Single-Cell Sequencing in Cancer Research Challenges and Opportunities.
	Sommario/riassunto	The rapid flow of studies in the field of cancer and immunology during the last decades has increased our understanding of the interactions between the immune system and cancerous cells. In particular, it has been well-known that such interactions result in the induction of epigenetic changes in cancerous cells and the selection of less

immunogenic clones as well as alterations in immune responses. Understanding the crosstalk between nascent transformed cells and cells of the immune system has led to the development of combinatorial immunotherapeutic strategies to combat cancer. The Handbook of Cancer and Immunology offers a comprehensive and up-to-date review of cancer immunology and immunotherapy, emphasizing key findings and clinically relevant data. This reference work is an essential resource for researchers, students, academics, and clinicians committed to advancing knowledge, diagnostics, and treatments in this vital field.