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T-Cell Receptor Alpha-Beta

National Cancer Institute

Source

National Cancer Institute. *T-Cell Receptor Alpha-Beta*. NCI Thesaurus. Code C17433.

A heterodimeric complex comprised of the highly variable T-cell receptor (TCR) alpha and beta chain proteins, which are linked by interchain disulfide bonds. This membrane bound complex is expressed on the surface of most T-lymphocytes and is involved in the recognition of peptide antigens that are presented by major histocompatibility (MHC) proteins. The alpha/beta dimer is non-covalently associated with the CD3 complex, which promotes ligand-dependent signaling.