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# Tomaralimab

National Cancer Institute

## Source

National Cancer Institute. *Tomaralimab*. NCI Thesaurus. Code C120554.

A humanized immunoglobulin (Ig) G4 monoclonal antibody directed against toll-like receptor type 2 (TLR2), with potential anti-inflammatory and antineoplastic activities. Upon intravenous administration, tomaralimab binds to the ligand-binding site on the TLR2 receptor and blocks the activation of TLR2-mediated innate immunity signaling. This prevents the TLR2-mediated production of pro-inflammatory mediators and prevents inflammation. TLR2, a member of the TLR family primarily found on leukocytes, plays a key role in the activation of innate immunity; it is overexpressed in various inflammatory diseases and in certain types of cancer.