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Anti-FAP/Interleukin-2 Fusion Protein RO6874281

National Cancer Institute

Source

National Cancer Institute. *Anti-FAP/Interleukin-2 Fusion Protein RO6874281*. NCI Thesaurus. Code C129383.

A recombinant fusion protein comprised of a human monoclonal antibody directed against fibroblast activation protein-alpha (FAP) linked to an engineered, variant form of interleukin-2 (IL-2v), with potential immunostimulating and antineoplastic activities. Upon administration of RO6874281, the monoclonal antibody moiety recognizes and binds to FAP, thereby concentrating IL-2 in FAP-expressing tumor tissue. Subsequently, the IL-2 moiety of this fusion protein may stimulate a local immune response and activate natural killer (NK) cells and cytotoxic T-cells. FAP is a cell surface protein that is expressed on a wide variety of cancer cells. IL-2v cannot bind to IL-2 receptor-alpha (CD25, IL2Ra) and does not activate regulatory T-cells (T regs).