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# Innate Immunostimulator rBBX-01

National Cancer Institute

## Source

National Cancer Institute. *Innate Immunostimulator rBBX-01*. NCI Thesaurus. Code C82362.

A recombinant 19 kDa protein derived from the Apicomplexa protozoan *Eimeria* with potential immunostimulating and antitumor activities. Upon administration, innate immunostimulator rBBX-01 activates dendritic cells (DCs), stimulates the Toll-like receptor 11 (TLR-11)-mediated release of interleukin-12 (IL-12) from DCs, and induces a T-helper 1 (Th1) type immune response, which may induce an immune response against tumor cells. Infection with *Eimeria*, a coccidian commonly infecting the intestine, may be negatively correlated with tumorigenesis.