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# Equine Thymocyte Immune Globulin

National Cancer Institute

## Source

National Cancer Institute. *Equine Thymocyte Immune Globulin*. NCI Thesaurus. Code C80824.

A purified, concentrated and sterile solution of horse-derived gamma globulin obtained by the immunization of horses with human T-lymphocytes, with T-cell depleting and immunosuppressive activities. Upon administration, horse anti-thymocyte globulin (hATG) specifically recognizes, modulates and destroys T-lymphocytes. Although the exact mechanism of action by which hATG causes immunosuppression is not completely understood, it is likely caused by a combination of T-lymphocyte depletion, reduction in T-cell activation and modulation of their cytotoxic activities. Administering of hATG prior to transplantation may reduce the risk of graft-versus-host disease (GvHD).