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B-Cell Activation

National Cancer Institute

Source

National Cancer Institute. *B-Cell Activation*. NCI Thesaurus. Code C19255.

A set of events occurring in B lymphocytes following stimulation with cognate antigen. Crosslinking the B cell antigen receptor (surface immunoglobulin) leads to increased expression of MHC class II molecules, exit from the resting state (G0) into the G1 phase of the cell cycle, and in the case of a strong antigenic stimulus, proliferation.