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# Anti-CD20 Monoclonal Antibody-FITC

National Cancer Institute

## Source

National Cancer Institute. *Anti-CD20 Monoclonal Antibody-FITC*. NCI Thesaurus. Code C133777.

An immunoconjugate composed of a monoclonal antibody directed against the human antigen CD20 that is conjugated to the fluorescein derivative and fluorochrome fluorescein isothiocyanate (FITC), with potential use for imaging and detection of CD20-expressing cells. Upon application of anti-CD20-FITC to a cell preparation, anti-CD20-FITC targets and binds to CD20-expressing cells. Then, CD20-expressing cells in the sample can be imaged using fluorescence-based imaging techniques or separated from other cells present in the preparation using fluorescence-activated cell sorting (FACS). CD20 is a non-glycosylated cell surface phosphoprotein that is exclusively expressed on B-cells during most stages of B-cell development; it is involved in the regulation of B-cell differentiation and is overexpressed on certain types of cancer cells.