

[Open Peer Review on Qeios](#)

Indium In 111 Monoclonal Antibody HuJ591

National Cancer Institute

Source

National Cancer Institute. *Indium In 111 Monoclonal Antibody HuJ591*. NCI Thesaurus. Code C151969.

A radioimmunoconjugate containing the recombinant humanized monoclonal antibody J591 directed against the extracellular domain of prostate-specific membrane antigen (PSMA) and labeled with the gamma-emitting isotope indium 111 (In 111; ^{111}In), with potential radioimaging application. Upon administration, indium In 111 monoclonal antibody J591 targets and binds to PSMA expressed on tumor cells. The use of gamma scintigraphy allows for the detection and imaging of the radioactive In 111, which can be used to determine the distribution and tumor localization of PSMA. PSMA is a transmembrane peptidase that is highly expressed on prostate tumor cells.