

[Open Peer Review on Qeios](#)

Gallium Ga 68 F(ab')₂-Trastuzumab

National Cancer Institute

Source

National Cancer Institute. *Gallium Ga 68 F(ab')₂-Trastuzumab*. NCI Thesaurus. Code C74033.

A radioimmunoconjugate consisting of a trastuzumab fragment labeled with the positron-emitting radioisotope gallium Ga 68 with radioisotopic and antibody activities. Upon administration, Ga-68-labeled F(ab')₂-trastuzumab may bind to HER2-positive tumor cells, allowing radioimmunolocalization with positron emission tomography (PET). Trastuzumab is a recombinant humanized monoclonal antibody that selectively binds to the extracellular domain of human epidermal growth factor receptor 2 (HER2), overexpressed by many adenocarcinomas, particularly breast adenocarcinomas.