Abstract

Provided herein are antibodies that specifically bind to GPRC5D. Also described are related polynucleotides capable of encoding the provided GPRC5D-specific antibodies or antigen-binding fragments, cells expressing the provided antibodies or antigen-binding fragments, as well as associated vectors and detectably labeled antibodies or antigen-binding fragments. In addition, methods of using the provided antibodies are described. For example, the provided antibodies may be used to diagnose, treat, or monitor GPRC5D-expressing cancer progression, regression, or stability; to determine whether or not a patient should be treated for cancer; or to determine whether or not a subject is afflicted with GPRC5D-expressing cancer and thus may be amenable to treatment with a GPRC5D-specific anti-cancer therapeutic, such as the multispecific antibodies against GPRC5D and CD3 described herein.

Figure 1.