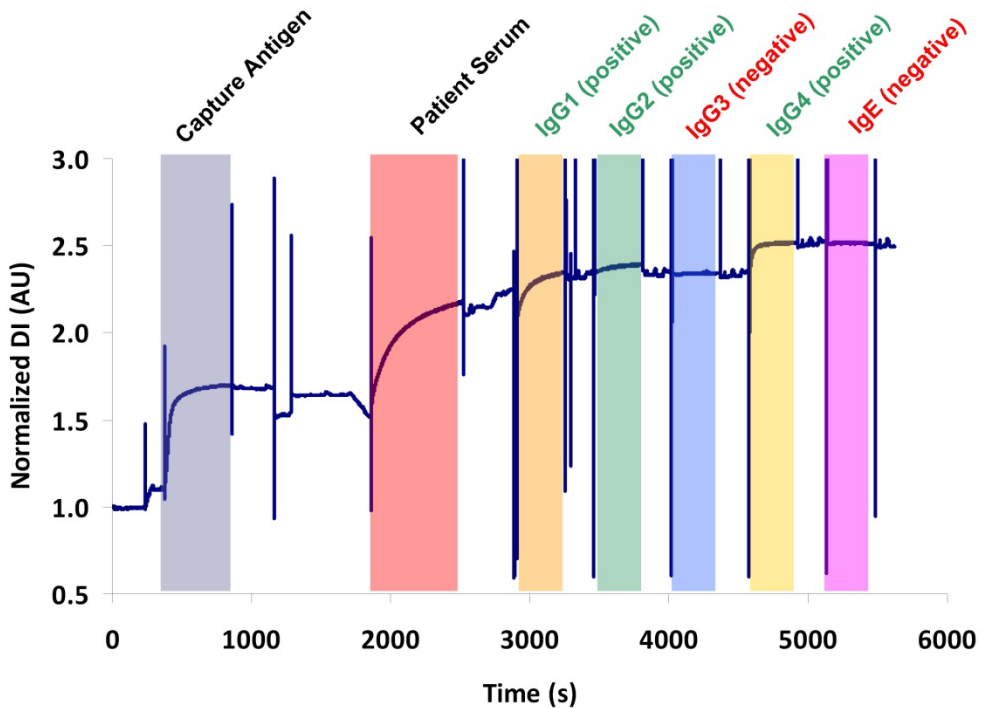


Antibody Isotype Determination

Antibody isotype determination is useful for antibody manufacturers, assay developers and in disease characterization where the isotype distribution can provide additional clinical information. The dotLab[®] mX System's ability to sequentially probe captured antibodies allows it to quickly determine the isotype distribution of a sample in a single, automated assay. The figure below shows the binding of antigen-specific antibodies from human serum and the isotype characterization of the captured antibodies in a single 90 minute assay. In this example, the positive serology was comprised of IgG1, IgG2 and IgG4.



Highlights

- Rapid antibody isotype determination without the need for multiple ELISAs or immunochromatographic assays
- Intra-feature multiplexing (antibody detection and isotype distribution)
- Low sample requirement
- Potential applications in vaccine research, disease diagnosis and characterization, and in antibody isotype determination during hybridoma screening