

SIGNIFICANCE STATEMENT

Detection of donor-specific anti-HLA antibodies (DSAs) by the single-antigen beads (SABs) assay can be used for kidney transplant risk stratification, but it is well known that not all IgG HLA antibodies are equally detrimental to kidney graft survival. It has been proposed that characterization of the complement C3d-fixing ability of DSA might result in improved risk stratification. To test this possibility, the authors determined the C3d-fixing ability of pretransplant DSA using the C3d SAB assay in 567 transplantations. Minimum follow-up was 10 years. The study found that determination of C3d DSA status at the time of transplantation did not improve risk stratification of kidney graft loss.