Electronic Supplementary Information

Analytical Methods

Improved strategies for selection and characterization of new monoclonal anti-carbamazepine antibodies during the screening process using feces and fluorescence polarization immunoassay

Lidia Oberleitner,[a,b] Ursula Dahmen-Levison,[c] Leif-Alexander Garbe,[b] Rudolf J. Schneider[a]*

[a] Bundesanstalt für Materialforschung und –prüfung (BAM), 12205 Berlin, Germany

[b] Institute of Bioanalytics, Department of Biotechnology, Technische Universität Berlin, 13353 Berlin, Germany

[c] aokin AG, Robert-Rössle-Str. 10, 13125 Berlin, Germany

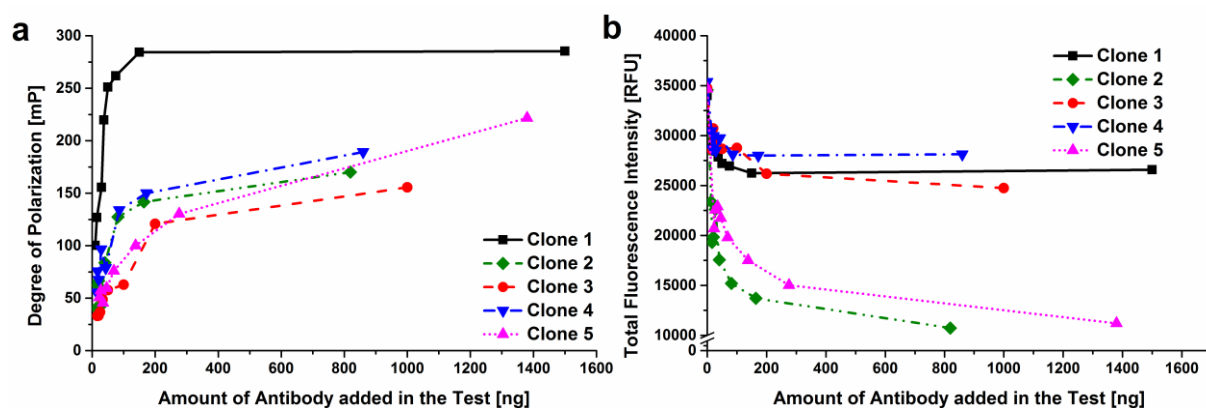* Corresponding author: E-mail: rudolf.schneider@bam.de; Tel: +49 30 8104 1151 Fax: +49 30 8104 71151

Fig. S1: Degrees of polarization (a) and total fluorescence intensities (b) were measured with FPIA depending on the amount of the different purified antibodies added in CBZ FPIA (clone 1-5).
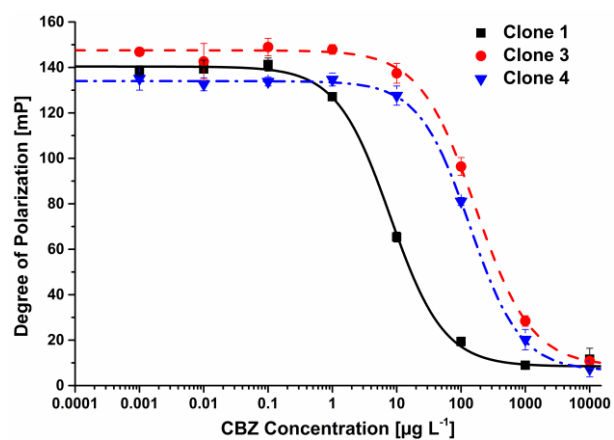

Fig. S2: CBZ FPIA calibration curves for purified antibodies from clone 1, 3 and 4 measured on MTPs after 10 min incubation time (measurements for each calibration point were performed in triplicate).