Electronic Supplementary Material (ESI) for Analytical Methods.

Supporting Information

For

Development and validation of a novel lateral flow immunoassay device for detection of aflatoxins in soy-based foods

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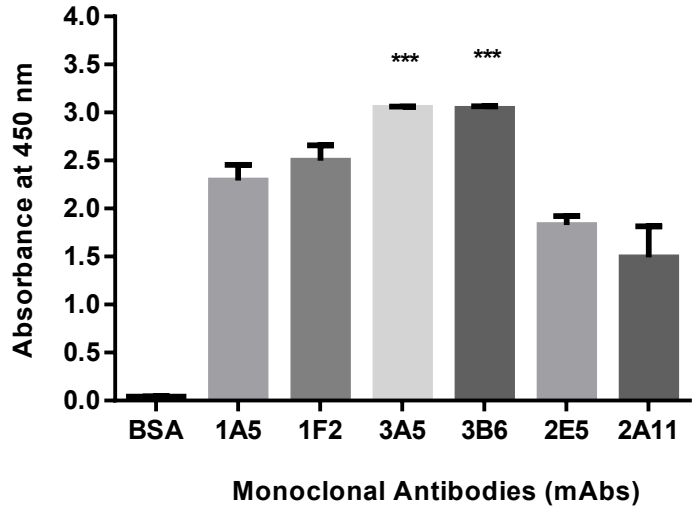

S.1 Specificity of the mAbs for AFB1 by ELISA assay.

High binding EIA/RIA microplates were coated with 0.5 µg of AFB1-BSA conjugate and kept overnight at 4ºC. The plates were blocked with 3% gelatin in PBST. An aliquot of 100 µL of each mAbs (1:3000) was added for 1h at 37ºC. The binding was identified using a goat anti-mouse IgG-HRP (1:5000) and developed using 100 µL of 4-(4-amino-3,5-dimethylphenyl)-2,6-dimethylaniline (TMB). The reaction was stopped by the addition of 50 µL of 2M sulfuric acid, and the absorbance was measured at 450 nm. All statistic tests were performed using by two-way ANOVA. ***Denotes $p<0.05$.