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Rapid and real-time diagnosis of hypoalbuminemia using an extraordinary optical transmission biosensor

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Highlights

- A hypoalbuminemia diagnosis kit based on an EOT sensor was demonstrated.
- The sensitivity of the sensor with nanohole arrays is 463.6 nm/RIU.
- Label free detections for the difference of albumin concentrations about 10 mg/ml was achieved.
- Normal and hypoalbuminemia groups was distinguished with a probability of over 98 %.
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