

Assay of L-Trp and L-Kyn

Target: L-Tryptophan (L-Trp)

L-Kynurenine (L-Kyn)

Use: L-Trp and L-Kyn as candidate
biomarker for immune checkpoint
inhibitor (IDO inhibitor)

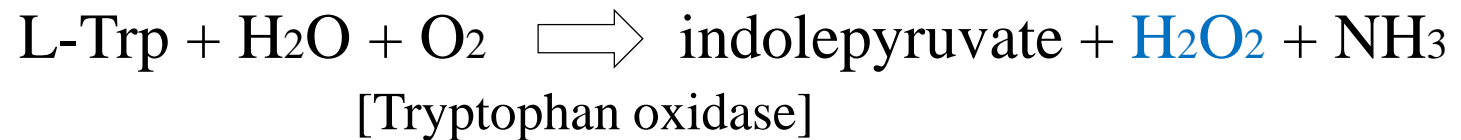
Method: **Enzymatic** method

(High speed and sensitivity analysis with
absorbance between 340-800nm)

IDO: Indoleamine 2,3-dioxygenase

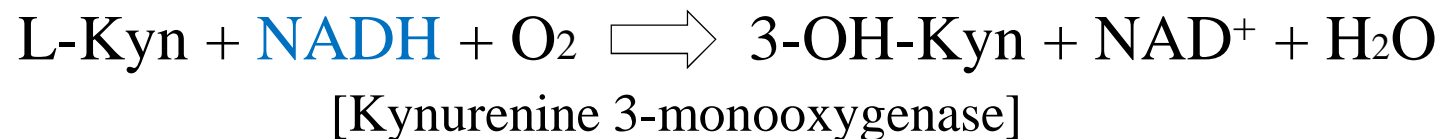
■ Enzyme reaction and assay principle

● L-Tryptophan (L-Trp)



*Measure H₂O₂ concentration with colorimetric method using peroxidase.

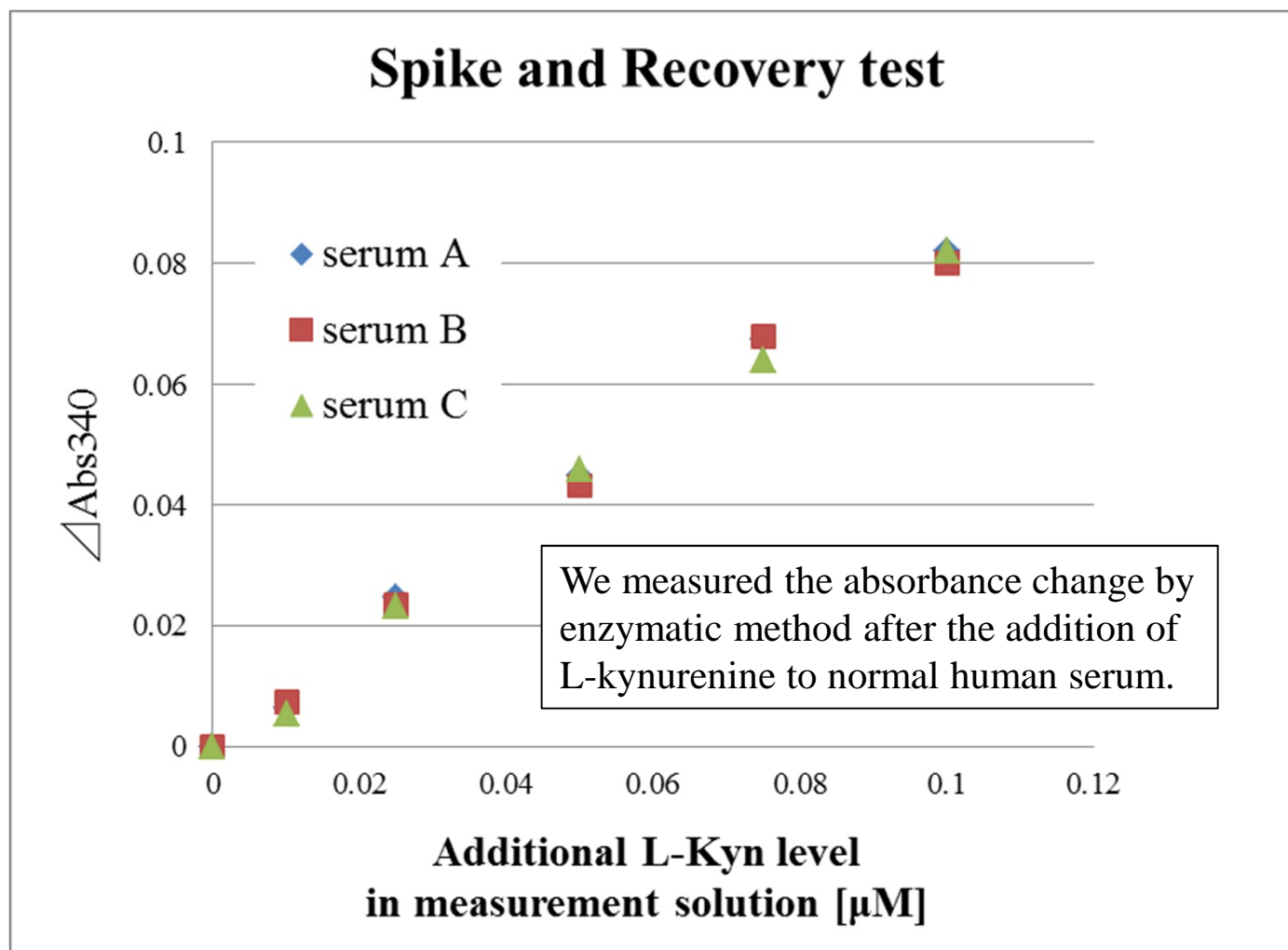
● L-Kynurenine (L-Kyn)



*Measure the decrease of NADH with **high speed and sensitivity** by combining unique enzyme reaction under development.

3-OH-Kyn: 3-Hydroxykynurenine

■ Example of L-Kyn assay (under development)





If you are interested in our enzymatic method, please contact us.

https://www.ikedatohka.co.jp/inquiry02_en/

Address: 95-7, Minooki-Cho, Fukuyama-City
Hiroshima Japan 721-0956

URL: https://www.ikedatohka.co.jp/product/bio_eng.html