

Cancer / Inflammation iNPH

(idiopathic normal pressure
hydrocephalus)

Leucine rich alpha2-glycoprotein (LRG) is one of leucine-rich repeat family proteins. LRG has been shown to be involved in protein-protein interaction, signal transduction, and cell adhesion and development.

Recently, it was reported that serum levels of LRG were significantly elevated in Rheumatoid arthritis (RA) patients compared to healthy controls and decreased after anti-TNF therapy.

And another report indicate serum LRG levels are elevated in other inflammatory diseases compared to healthy controls, suggesting the potential of LRG as an inflammatory marker in various inflammatory diseases.

Among the diseases which should be distinguished from iNPH (idiopathic normal pressure hydrocephalus) of elderly people showing symptoms such as gait disorder and dementia, there are some neurodegenerative diseases such as Alzheimer's disease (AD), FTLN (frontotemporal lobar degeneration) and disorder associated with Parkinson's disease.

ELISA

[#27769-96Well Human LRG Assay Kit - IBL*1*2](#)

- Sample : Serum, EDTA plasma, Urine, CSF
- Measurement range : 1.56 ~ 100 ng/mL
- Sensitivity : 0.17 ng/mL
- Primary Reaction : 18 hours at 4 °C

[#27798-96Well Human LRG \(Mono\) ELISA Kit - IBL*1](#)

- Sample : Serum, EDTA plasma
- Measurement range : 1 ~ 64 ng/mL
- Sensitivity : 0.06 ng/mL
- Primary Reaction : 60 minutes at 37°C

[#27770-96Well Rat LRG Assay Kit - IBL](#)

- Sample : Serum, EDTA plasma, Urine, Supernatant
- Measurement range : 6.25 ~ 400 ng/mL
- Sensitivity : 1.68 ng/mL
- Primary Reaction : 90 minutes at 37°C

[#27785-96Well Mouse LRG Assay Kit – IBL*3](#)

- Sample : Serum, EDTA plasma, Supernatant*2
- Measurement range : 0.25 ~ 16 ng/mL
- Sensitivity : 0.06 ng/mL
- Primary Reaction : 60 minutes at 37°C

*1. 27769D100 Human LRG EIA buffer 100 (100mL) , 27798D100 Human LRG (Mono) EIA buffer 100 (100mL) are available with additional charge.

*2. 27769 kit will be discontinued when the stocks lasts.

*3. It may strongly react to FCS contained in supernatant used depending on the lot of FCS.

#27769 kit can measure LRG in CSF, blood or urine. It has become possible to distinguish iNPH from neurodegenerative diseases such as AD by measuring LRG in CSF.

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