**31300- Human Proteinase 3 (PR3) immunoassay kit**

**Introduction of molecule**

Proteinase 3 (PR3), also known as myeloblastin, azurophil granule protein-7 or p29b, PRTN3 and NP- 4, is one of the hematopoietic serine proteases localized in the primary granules of polymorphonuclear neutrophils (PMNs). It is a 29kDa glycoprotein made of 222 amino acids and is released during neutrophilic inflammation2.

**Performance and characteristics of assay**

**A. Typical representation of standard curve**

The following standard curve is provided for demonstration only. A standard curve should be generated for each set of sample assay.

Human PR3 standard curve (4-parameter)

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|  |  |  |
| --- | --- | --- |
| Human PR3 (ng/ml) | Absorbance (450 nm) | Blanked Absorbance |
| 0 | 0.056 | 0 |
| 0.156 | 0.102 | 0.046 |
| 0.312 | 0.145 | 0.089 |
| 0.625 | 0.245 | 0.189 |
| 1.25 | 0.426 | 0.37 |
| 2.5 | 0.808 | 0.752 |
| 5 | 1.482 | 1.426 |
| 10 | 2.603 | 2.547 |

**B. Sensitivity:** Will update soon

**C. Precision:** Will update soon

**D. Recovery:** Will update soon

**E. Specificity:** Will update soon

**F. Linearity:** Will update soon

**G. Sample :** Serum and plasma

**H. Storage :** 4°C

REFERENCES

1. Pham CT (2006) *Nat Rev Immunol 6:541-550*
2. Crisford H et al., (2018) Respir Res 19:180