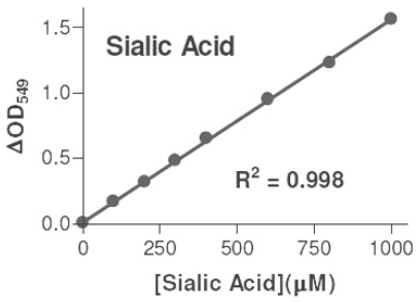
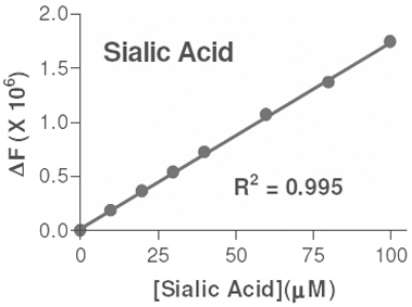
Sialic Acid Assay Kit

Catalog # KA1655 Size 1 Kit

Applications



96-well colorimetric assay



96-well fluorimetric assay

The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	Sialic Acid Assay Kit is a quantitative determination of free and total sialic acid.
Suitable Sample	Biological Samples (e.g. Milk, Plasma, Saliva, Serum)
Sample Volume	60 uL
Detection Method	Colorimetric, Fluorometric
Assay Type	Quantitative
Calibration Range	Colorimetric Assay: 5 to 1000 uM, Fluorometric Assay: 0.5 to 100 uM
Regulation Status	For research use only (RUO)

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Quality Control Testing	Standard Curve The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store the standard at -20°C. Store all other components at room temperature.

Applications

- Functional Study

Publication Reference

- CD24-Siglec axis is an innate immune checkpoint against metaflammation and metabolic disorder.

  Xu Wang, Mingyue Liu, Jifeng Zhang, Nicholas K Brown, Peng Zhang, Yan Zhang, Heng Liu, Xuexiang Du, Wei Wu, Martin Devenport, Weng Tao, Yang Mao-Draayer, Guo-Yun Chen, Y Eugene Chen, Pan Zheng, Yang Liu.

  Cell Metabolism 2022 Aug; 34(8):1088.

  Application: Func, Mouse, Mouse serum

- Variable sialic acid content in milk of Indian cattle and buffalo across different stages of lactation.

  Sharma R, Ahlawat S, Sharma H, Aggarwal RAK, Sharma V, Tantia MS.

  The Journal of Dairy Research 2018 Dec; 1.

  Application: Quant, Bovine, Bovine milk

- Novel pH-dependent regulation of Human cytosolic sialidase 2 (NEU2) activities by siastatin b and structural prediction of neu2/siastatin b complex.

  MM Rahmana, T Hirokawab, D Tsujia, J Tsukimotoa, S Hitaokac, T Yoshidac, H Chumanc, K Itoh.

  Biochemistry and Biophysics Reports 2015 Sep; 4:234.

  Application: Func, Recombinant protein

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