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〈for Research Use Only〉

Code No. 029-18061 (1 mg)
025-18063 (1 mg × 5)

BC2LCN Lectin, recombinant, Solution
BC2LCNレクチン，組換え体，溶液

(rAiLec-S1)

rBC2LCN has been reported as a novel pluripotency marker of human iPS cells and human ES cells.

rBC2LCN is the recombinant protein and N-terminal domain of BC2L-C derived from *Burkholderia cenocepacia*.

By the further analysis, it was found that rBC2LCN binds to a mucin-type *O*-glycan comprising an H type3 structure on Podocalyxin protein. Podocalyxin is a hyperglycosylated transmembrane protein and highly expressed in human iPS cells and human ES cells.

rBC2LCN is useful tool to detect the undifferentiated state of human iPS cells and human ES cells of alive.

Source : *E. coli* expressed *Burkholderia cenocepacia* lectin (BC2LCN).
Formulation : 0.1 × PBS (pH 7.4).
Protein concentration : Indicated on the label.
Glycan specificity : Fuc α1-2Gal β1-3GalNAc [H type3]
Fuc α1-2Gal β1-3GlcNAc [H type1]
Purification : Affinity purification by fucose agarose.

〔Expiration date〕 Indicated on the label.

〔Storage〕 Store at −20℃. After thawing, keep at 2-10℃. Avoid the freeze-thaw cycles.

〔Package〕

Code No.	Packaging
029-18061	1 mg
025-18063	1 mg × 5 vials

〔Reference〕

Onuma, Y. *et al*., ; ''rBC2LCN, a new probe for live cell imaging of human pluripotent stem cells.'', *BBRC*, **431**, 524-529 (2013).

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