

Bioassayplus Inc.

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Certificate of Analysis

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product name: Galectin 16

Catalog #: Gal-16

Description: Galectin 16 is the protein expressed predominantly and highly in syncytiotrophoblasts of the placenta and in the endothelia of fetal vessels. It is detected also in the amnion and chorionic trophoblasts in fetal membranes. Galectin-16 induces apoptosis of human CD3(+) T-cells, which may play a role in maternal-fetal immune tolerance.

Recombinant galectin 16 is an *E. coli* expressed peptide, this protein is one of human placenta specific galectins, like all galectin family, it contains a carbohydrate recognition domain (CRD) as well. Increased blood concentration was found highly associated with preeclampsia and HELLP syndrome in pregnant women. The molecular weight of galectin 16 is 16 kDa. There is a 6 x his tag at its N-terminal for the purification purpose.

Source: *E. coli*

Purification: Gal-16 was purified by affinity column, >95% pure (10% PAGE, Coomassie staining).

Concentration: 3mg/ml (11/2013)

Buffer: PBS with 25mM arginine

Applications: Immunoassay and functional study

Storage: Upon receipt, store at -20°C. Avoid multiple freeze/thaw cycles.

