



Decorin BioAssay™ ELISA Kit, Mouse

Catalog number

143806

Supplier

United States Biological

Sandwich ELISA quantitative detection kit for Mouse Decorin Human CXCL11/I-TAC in cell culture supernates, serum and plasma (heparin, EDTA).

Decorin is a proteoglycan on average 90 - 140 kilodaltons (kD) in size. It belongs to the small leucine-rich proteoglycan (SLRP) family and consists of a protein core containing leucine repeats with a glycosaminoglycan (GAG) chain consisting of either chondroitin sulfate (CS) or dermatan sulfate (DS). Using a genomic clone as the labeled probe and in situ hybridization of human metaphase chromosomes, decorin gene was mapped to the discrete region of human chromosome 12q23. Decorin is capable of suppressing the growth of various tumor cell lines when expressed ectopically.

Assay Range

31.2pg/ml-2000pg/ml

Sensitivity

< 10 pg/ml

Crossreactivity

There is no detectable cross-reactivity with other relevant proteins.

Uniprot ID

P28654

Entrez Gene ID

13179

Kit Components

96-well plate pre-coated with anti-Decorin, Mouse
Lyophilized recombinant Decorin, Mouse standard, 10ng/tube, 2Ea
USB Cat No Kit Component
143696 Avidin-Biotin-Peroxidase Complex (ABC), 130ul (1:100 dilution)
143697 Sample diluent buffer, 30ml
143698 Antibody diluent buffer, 12ml
143699 ABC diluent buffer, 12ml
143700 TMB color developing agent, 10ml
143701 TMB stop solution, 10ml

Storage and Handling

Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Storage



4°C/-20°C

Tests

< 10 pg/ml

Sample Volume

cell culture supernates, serum and plasma (heparin, EDTA)

Sample Matrix

31.2pg/ml-2000pg/ml

Detection Range

Colorimetric

Antigen Modification

Mouse

Antigen Source

96

Reference

1. "Entrez Gene: DCN decorin".
2. Danielson, K. G., Fazio, A., Cohen, I., Cannizzaro, L. A., Eichstetter, I., Iozzo, R. V. The human decorin gene:intron-exon organization, discovery of two alternatively spliced exons in the 5-prime untranslated region, and mapping of the gene to chromosome 12q23. *Genomics* 15: 146-160, 1993.
3. Moscatello, D. K., Santra, M., Mann, D. M., McQuillan, D. J., Wong, A. J., Iozzo, R. V. Decorin suppresses tumor cell growth by activating the epidermal growth factor receptor. *J. Clin. Invest.* 101: 406-412, 1998.