



COSMO BIO Co., LTD.

Inspiration for Life Science

The ELISA of LCA according to FKA 514-E and 515

The Cross reactivities of anti Litho Cholic acid-24-BSA IgG(FKA 514-E) by ELISA with Glyco Litho Cholic Acid-24-HRP (FKA 515)

antigen Litho Cholic Acid-24-BSA(LCA-24-BSA)
FKA 514-E rabbit No.107-20). 5 μ l / Vial

Dilution of IgG x50,000 for ELISA 50 μ l/well use

L a b e l (FKA 515) GLCA-24-HRP
x2,000 50 μ l/well use

O. D. (492/600nm) of B₀ about 0.5

GLCA of B₀/2 about 500pM/ml (25pM/well)

Bile Acid	Cross Reaction
GLCA	100 %
TLCA	170 %
LCA	27 %
GCDCA	0.9 %
TCDCA	0.6 %
CDCA	0.08 %
TUDCA	0.18 %
GUDCA	0.11 %
UDCA	0.04 %
TDCA	0.13 %
GDCA	0.10 %
DCA	0.01 %
TCA	0.01 %
GCA	0.01 %

On the ELISA of Ab against LCA-24-BSA, GLCA-24-HRP(Hetrogenous system) is higher sensitive better than LCA-24-HRP(FKA513 , Homogenous system)

an abbreviation: LCA=Litho Cholic Acid. T=tauro. CDCA=Cheno Deoxy Cholic Acid .UDCA=Urso Deoxy Cholic Acid.



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