

ARG80896 Human CA72-4 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG80896 Human CA72-4 ELISA Kit is an enzyme immunoassay kit for the quantification of CA 72-4 (TAG-72) in serum and plasma (EDTA, heparin, citrate).
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	CA72-4
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.79 U/ml
Sample Type	Serum and plasma (EDTA, heparin, citrate).
Standard Range	3 - 100 U/ml
Sample Volume	20 µl

Application Instructions

Assay Time	2 h, 30 min (RT)
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Full Name	Cancer antigen 72-4
Background	CA 72-4 (Cancer antigen 72-4) was originally described as an antigenic determinant recognized by B 72.3, a murine monoclonal antibody raised against a membrane extract of mama carcinoma metastases. CA 72-4 was identified as a 1 MDa mucine-like Glycoprotein complex termed TAG-72 (tumor associated antigen 72). The molecular weight of the TAG-72 protein is 48 kD. Elevated CA 72-4 levels in serum and plasma have been reported in various malignant diseases including carcinomas of pancreas, stomach, gall, colon, mamma, ovaries, cervix and endometrium. The highest diagnostic sensitivities are found for carcinomas of the gastrointestinal tract and ovaries. Although some benign diseases such as rheumatic diseases or ovary cysts may also result in elevated levels of CA 72-4, clinical studies demonstrated diagnostic specificities of more than 95% for gastrointestinal and ovarian malignancies. There is a good correlation between CA 72-4 levels and tumor stage and size. CA 72-4 is the marker of choice for the therapeutic monitoring and follow-up care of gastrointestinal cancer patients. Suitable second markers are CA 19-9 or CEA. Additionally, CA 72-4 has been used as an independent marker for the therapeutic monitoring and follow-up care of ovarian cancer patients, in

particular in CA 125 negative patients.

Highlight

Related products:

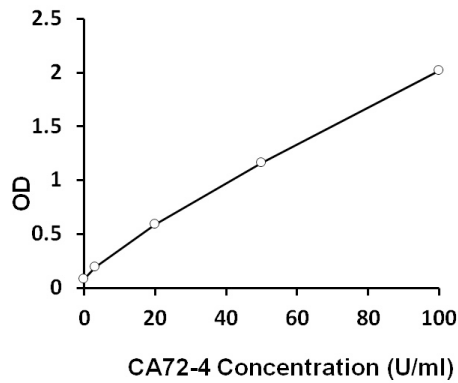
New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

Research Area

Cancer kit; Controls and Markers kit; Signaling Transduction kit

Images



ARG80896 Human CA72-4 ELISA Kit standard curve example image

The representative standard curve of ARG80896 Human CA72-4 ELISA Kit. The standard curve is for demonstration only and cannot be used in place of data generations at the time of assay. The standard curve should be generated each time the assay is performed.