

ANTIGENIX AMERICA Inc.

PRODUCT INFORMATION SUMMARY

Matched Antibody Pair

Anti-Human CEA

(Carcinoembryonic Antigen)

Purified Antibody	MP720720C	Capture	0.5 mg
Purified Antibody-HRP Conjugate	MP720720T	Tracer	0.2 mL

SPECIFICITY:

Human Carcinoembryonic Antigen (CEA) . These murine monoclonal antibodies react with both native and recombinant h CEA molecules and recognize different antigenic determinants. CEA is a 180 kDa glycoprotein expressed in epithelial cells of embryonic COLON, and expression stops after birth. CEA is a tumor marker as increased serum level associated with certain cancers, including gastric, colorectal, lung and breast carcinomas.

CLONES:

Derived from immunization with purified, recombinant human CEA. Fusion partners: Sp2/Ag14. Capture: clone AY1 ; Tracer clone AY2

CAPTURE: Applications: ELISA - coat ELISA plate @ approx. 2.0 - 4.0 ug/mL (optimize)

IHC: Reactive with breast tissue section using epitope retrieval (heat -induced) @ 20.0 ug/mL concentration.

Western Blot: Detects at least 20-25 ng/lane CEA @ antibody concentration 100.0 ng/mL

Provided as Lyophilized - additive-free- reconstitute with 500 uL distilled or sterile water. STORE @ -20 deg. C.

Tracer (HRP) - contains 50% glycerol- STORE @ -20 Deg. C.

Provided as concentrate- use at approx: 1:1000 - 1:1500 dilution (optimize)

CROSS-REACTIVITY:

Cross-reactivity with other cytokines, including MCP-1, IL 1 Beta, MCP-3, and Bovine Serum Albumin was not observed in quality control testing.

RESEARCH USE ONLY
NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE.

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