



# ELISA Diagnostic Kits

Tumor markers



Tumor markers are substances found at higher than normal levels in the blood, urine, or body tissue of some people with cancer. They are produced either by tumor cells (tumor-derived markers) or by other cells of the body in response to cancer or certain benign conditions (tumor-associated). Some tumor markers are specific for a single type of cancer, while others are associated with many types of cancer. Serum (blood) tumor markers are among the few available diagnostic tools for management of oncologic patients. Their level are easily measured in serum or plasma samples; the results are rapidly available, and the associated costs are relatively low.



**Tumor markers can be useful for one of the purposes:**

- Screening a healthy population or a high-risk population for the probable presence of cancer
- Diagnosis of cancer or a specific type of cancer
- Evaluating prognosis in a patient
- Predicting potential response of a patient to therapy
- Monitoring recovery of a patient receiving surgery, radiation, or chemotherapy

**It is known about 200 substances that might be used as tumor markers. However, only twenty of them are of practical importance**

<ul style="list-style-type: none"> <li>• <b>Prostate</b> PSA, free PSA</li> </ul>		<ul style="list-style-type: none"> <li>• <b>Brain</b> NSE</li> <hr/> <li>• <b>Pituitary gland</b> Prolactin</li> <hr/> <li>• <b>Throat, Ear</b> CEA</li> <hr/> <li>• <b>Thyroid</b> Tyroglobulin, CEA</li> <hr/> <li>• <b>Lung</b> NSE, CEA, CA 15-3, CA 72-4</li> <hr/> <li>• <b>Colon, Stomach, Pancreas</b> CAE, CA 19-9, CA 72-4</li> <hr/> <li>• <b>Liver</b> AFP, CA 19-9</li> <hr/> <li>• <b>Germ cell tumors</b> HCG, AFP</li> <hr/> <li>• <b>Oncohematology diseases, Metastasis</b> Ferritin</li> </ul>		<ul style="list-style-type: none"> <li>• <b>Mammary gland</b> CA 15-3, CEA</li> <hr/> <li>• <b>Ovary</b> CA-125, CA 72-4, HE4, CEA</li> <hr/> <li>• <b>Uterus, Cervix uteri</b> CA-125, TPBG, HCG, CEA</li> </ul>
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## Tumor markers

Tumor location	Primary tumor markers	Additional markers
Stomach	CEA, CA-19-9	CA-125, CA 72-4
Gall bladder, biliary tract	CA19-9, CEA,	
Lung	CEA, NSE	AFP, CA 15-3, CA 72-4, Ferritin
Uterus	CEA, CA 15-3	CA-19-9, CA-125, CGH,
Mammary gland	CA 15-3, CEA	AFP, CA15-3, Ferritin, CGH, CA-19-9
Bladder	CEA	
Liver	AFP, CEA, Ferritin, CA-125, CA-19-9	
Pancreas	CA-19-9, CEA	CA-125, CA 72-4, NSE, Ferritin, CGH
Prostate	PSA, Ferritin	CA 15-3
Rectum	CEA	
Colon	CEA, CA-19-9, Ferritin	AFP, CA 72-4
Trophoblast	CGH, TBG	
Thyroid	Thyroglobulin, CEA	NSE, Ferritin
Brain	NSE	Ferritin
Testicles	AFP, CEA	Ferritin
Ovary	CA-125, HE4, AFP	CEA, CA 15-3, CA 72-4
Blood	NSE, Ferritin	
Bone metastasis		Ferritin

## ELISA kits for the quantitative measurements of Tumor markers



- Ready-To-Use reagents
- High specificity and sensitivity
- Breakable strips (12x8)
- Designed for both manual and automated procedures
- Transportation at room temperature for up to 10 days

Cat. N°	Kit Name	Number of tests
<b>4154</b>	<b>HCG-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of human chorionic gonadotropin. Measurement range: 0-500 IU/l. Sensitivity: 2 IU/L.	12x8
<b>4158</b>	<b>free beta-HCG-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of free beta-subunit of human chorionic gonadotropin. Measurement range: 0-200 ng/ml. Sensitivity: 0.5 ng/ml.	12x8

Cat. №	Kit Name	Number of tests
8437	<b>CYFRA 21-1-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of soluble fragments of cytokeratin 19. Measurement range: 0–50 ng/ml. Sensitivity: 0.15 ng/ml.	96
8454	<b>CEA-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of carcinoembryonal antigen. Measurement range: 0-880 mIU/ml. Sensitivity: 3.3 mIU/ml.	12×8
8456	<b>AFP-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of alpha-fetoprotein. Measurement range: 0-400 IU/ml. Sensitivity: 2.5 IU/ml.	12×8
8453	<b>PSA total-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of total prostate specific antigen (PSA). Measurement range: 0-5 ng/ml. Sensitivity: 0.01 ng/ml.	12×8
8460	<b>PSA free-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of free prostate specific antigen (PSA). Measurement range: 0-5 ng/ml. Sensitivity: 0.05 ng/ml.	12×8
8466	<b>CA-125-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of CA-125. Measurement range: 0-400 U/ml. Sensitivity: 1.5 U/ml.	12×8
8455	<b>CA 72-4-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of CA 72-4. Measurement range: 0-100 U/ml. Sensitivity: 0.16 U/ml.	12×8
8467	<b>HE4-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of HE4. Measurement range: 0-1000 pmol/l. Sensitivity: 1.5 pmol/L.	12×8
8468	<b>TPBG-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of pregnancy-specific beta-1-glycoprotein. Measurement range: 0-200 ng/ml. Sensitivity: 1 ng/ml.	12×8
8470	<b>CA 19-9-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of CA-19-9. Measurement range: 0-300 U/ml. Sensitivity: 1 U/ml.	12×8
8472	<b>CA 15-3-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of CA-15-3. Measurement range: 0-250 U/ml. Sensitivity: 0.5 U/ml.	12×8
8476	<b>NSE-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of neuron specific enolase (NSE). Measurement range: 0-130 ng/ml. Sensitivity: 0.5 ng/ml.	12×8
8552	<b>Ferritin-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of human ferritin. Measurement range: 0-500 ng/ml. Sensitivity: 2.5 ng/ml.	12×8
3762 CE	<b>Pepsinogen 1-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of pepsinogen 1. Measurement range: 0-200 µg/l. Sensitivity: 0.5 µg/L.	12×8
3764 CE	<b>Pepsinogen 2-EIA-BEST</b> Enzyme immunoassay kit for the quantitative determination of pepsinogen 2. Measurement range: 0-50 µg/l. Sensitivity: 0.5 µg/L.	12×8

### AO Vector-Best

📍 PO box 492, Novosibirsk, 630117, Russia

☎ +7 383 25 25 163, 383 25 25 164

✉ vbmarket@vector-best.ru

[www.vector-best.com](http://www.vector-best.com)

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