

## General HCy (Homocysteine) ELISA Kit | HCy elisa kit

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CATALOG #  
**AAA275881**

REACTIVITY  
**General**

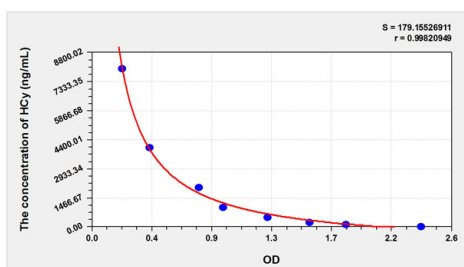
### PRODUCT SYNONYMS

HCy (Homocysteine); General HCy (Homocysteine) ELISA Kit; Homocysteine; HCy elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | General                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of General HCy. No significant cross-reactivity or interference between General HCy and analogues was observed. |
| Assay Type              | Competitive                                                                                                                                                                             |
| Detection Range         | 125-8000 ng/mL                                                                                                                                                                          |
| Sensitivity             | 39.55 ng/mL                                                                                                                                                                             |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.                  |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.                   |
| Preparation and Storage | Store at 2-8 degree C. Stable for 6 months from date of receipt.                                                                                                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for HCy elisa kit

**Principle of the Assay:** This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Homocysteine(HCy) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Homocysteine(HCy). Next,Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Homocysteine(HCy) in the samples is then determined by comparing the OD of the samples to the standard curve.

#### Product Categories/Family for HCy elisa kit

[atherosclerosis](#)

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/general-elisa-kits/hcy-homocysteine/275881>