

## PRODUCT DATA SHEET

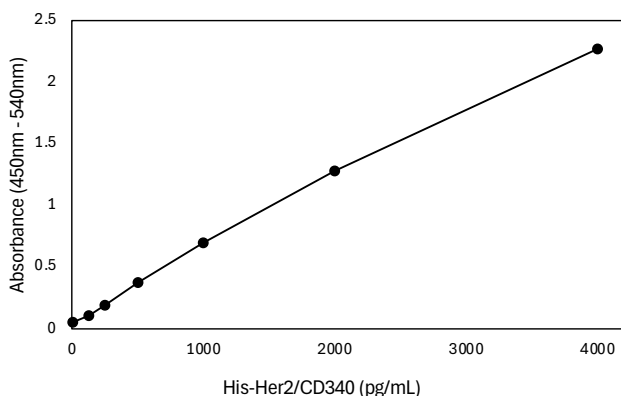
### Anti-His Tag Coated Plate

#### Description

The 6xHis tag is a small, widely used peptide sequence that facilitates the purification, detection, and quantification of recombinant proteins. Pre-coated anti-His plates eliminate the need for manual antibody coating, ensuring consistent capture of His-tagged proteins with minimal background. Pre-coated anti-His plates are ideal for a variety of applications, including ELISA development, protein screening, quality control, assay optimization, and comparative studies of recombinant proteins. They provide a reliable, time-saving platform for sensitive and reproducible detection of His-tagged proteins in research and development workflows.

#### Feature

Our high-quality 96-well microplate is pre-coated with recombinant mouse monoclonal anti-6xHis antibodies for sensitive and specific capture of His-tagged recombinant proteins. Optimized for ELISA format, the plate provides consistent binding, low background, and excellent reproducibility. Ideal for quantification, screening, and assay development, it supports detection of His-tagged proteins in the pg/mL level when combined with standard detection reagents. This ready-to-use plate streamlines His-tag protein analysis in research and development workflows.



**Figure:** Pre-coated anti-His plate used to detect 6xHis tagged protein Her2/CD340 in ELISA.

#### Characteristics

Target name	Polyhistidine tag
Alternate names	His-tag, 6xHis tag
Assay format	Solid-phase ELISA (quantitative)
Validated Sample type	Cell culture media (5%)
Sample volume	100 $\mu$ L
Analytical sensitivity	51.3 pg/mL of the His-tagged protein
Assay range	62.5 – 4000 pg/mL
Intra-assay CV	<5%
Inter-assay CV	<10%
Recovery (%)	94.7% (mid-upper range)
Detection & Instrument	Colorimetric, Microplate Reader

#### Validation

Each manufactured lot of this pre-coated plate is quality tested using ELISA for criteria such as specificity, precision, and lot-to-lot consistency.

#### Storage

This product should be stored at 2-8°C. Do not freeze. If stored and handled as specified, anti-His pre-coated plate is stable for at least 6 months.

#### Precautions and Disclaimer

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Please consult the Material Safety Data Sheet available online at [www.cytodiagnosics.com](http://www.cytodiagnosics.com) for information regarding hazards and safe handling procedures.