

VD Coating Antibody (TBS10300)

Catalog	Unit Size
TBS10300-20	20 µg
TBS10300-100	100 µg
TBS10300-500	500 µg

Description

Tribioscience VD Coating Antibody is a purified monoclonal antibody optimized for solid-phase coating in sandwich immunoassays targeting 25-hydroxyvitamin D (25(OH)D). This antibody exhibits strong affinity and specificity, ensuring efficient capture of the target analyte with minimal cross-reactivity. It is ideal for use in platforms such as lateral flow assays, ELISA, or chemiluminescent assays. Our VD Coating Antibody delivers excellent performance in terms of binding stability, reproducibility, and compatibility with a variety of assay buffers and membranes. This antibody is intended for use as a matched pair Tribioscience VD Detection Antibody (TBS10299).

Synonyms: 25-OH-VD; Vitamin D

Key Features

- Type: Monoclonal antibody (mouse origin)
- Concentration: 1 mg/mL
- Molecular Weight: 150kDa
- Purity: ≥98%
- Species: Sheep
- Isotype: IgG
- Expressed Host: CHO
- Buffer Compatibility: Tris-based coating buffer with 0.8% trehalose recommended (pH 7.8–8.0)
- Storage Conditions: -20°C (Avoid repeated freeze-thaw cycles)
- Shelf Life: 12 months (unopened)

Performance Characteristics

- Strong and stable immobilization on nitrocellulose membranes and solid-phase surfaces
- High binding affinity with minimal drift over time
- Compatible with drying conditions at 50°C for up to 3 days
- Demonstrated stable performance in both lateral flow and lab-based immunoassays

Applications:

- Capture/coating antibody for immunochromatographic and CLIA platforms
- Lateral Flow Strip Coating
- CLIA Plate/Bead Coating
- Point-of-Care Rapid Diagnostic Tests
- 25(OH)D quantification

For research use only.