

Product Datasheet

Recombinant GST Antibody (orb1463560)

Catalog Number	orb1463560
Description	Recombinant GST antibody
Conjugation	Unconjugated
Tested Applications	DOT, WB
Preservatives	0.01% (w/v) Sodium Azide
Form/Appearance	Liquid (sterile filtered)
Concentration	0.5 mg/ml
Storage	Store at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Note	For research use only
Application notes	Anti-GST is a his-tagged monoclonal recombinant antibody designed to detect Glutathione-S-Transferase and its conjugates. This antibody has been tested by western blot and dot blot and is intended for use in immunological assays including western blotting, immunofluorescence and fluorescence activated cell sorting (FACS). Fluorochrome conjugated anti-GST can be used for detection of sensitive non-radioactive in situ hybridization probes. The antibody can be labeled with dyes, enzymes or fluorescence, directly or secondarily, for visualization and detection of GST-conjugated molecules by immunoblotting or immunofluorescence. Secondary detection can be achieved using conjugated anti-His tag or anti-VHH antibodies. Optimal titers for applications should be confirmed by the end user.
Clonality	Recombinant
Clone Number	GST13

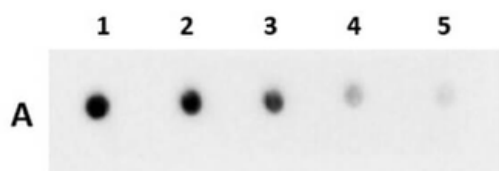
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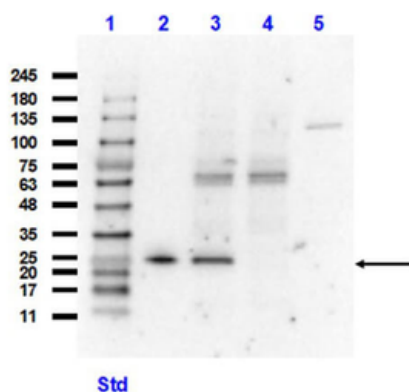
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Antibody Type	Primary Antibody
Purity	Anti-GST (VHH) Antibody is a recombinant antibody. The clone was isolated from a library prepared from a hyper-immunized llama host and purified by affinity chromatography from bacterial culture. Expect reactivity against GST-labeled probes and proteins.
Source	E. coli
Dilution Range	WB: 1:200
Expiration Date	12 months from date of receipt.



Dot Blot of Anti-GST (VHH) Single Domain Antibody. Row A: Recombinant GST protein (p/n orb345956). Amount Dotted: (1) 200, (2) 100, (3) 50, (4) 25, (5) 12.5 ng. Primary Antibody: Anti-GST (VhH) 1.0 µg/ml for 1.5hr at RT. Secondary Antibody: Mouse Anti-6X His Tag Peroxidase (p/n orb344539) at 1:500 for 30 mins at RT. Block: BlockOut Buffer (p/n orb348644).



Western Blot of Anti-GST Single Domain Antibody. Lane 1: Opal Prestained Molecular Weight Marker. Lane 2: Recombinant GST (p/n orb345956) (0.2 µg) [+]. Lane 3: HEK293T WCL / rec. GST (p/n orb345956) (10 µg/0.2 µg) [+]. Lane 4: HEK293T Whole Cell Lysate (10 µg) [-]. Lane 5: E.coli Host Cell Protein (HCP) Control Protein (p/n orb342262) (10 µg) [-]. Primary Antibody: Anti-GST (VhH) at 5.0 µg/ml overnight at 2-8°C. Secondary Antibody: Mouse Anti-6X His Tag Peroxidase (p/n orb344539) at 1:3000 for 30 mins at RT. Block: BlockOut Buffer (p/n orb348644). Exposure: 60 sec. Predicted MW: ~25.5kDa. Observed MW: ~25.5kDa. Unspecific Bands: ~70kDa minor background due to unspecific cross-reactivity of anti-6X His ab with unknown proteins of HEK293T lysate.

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