

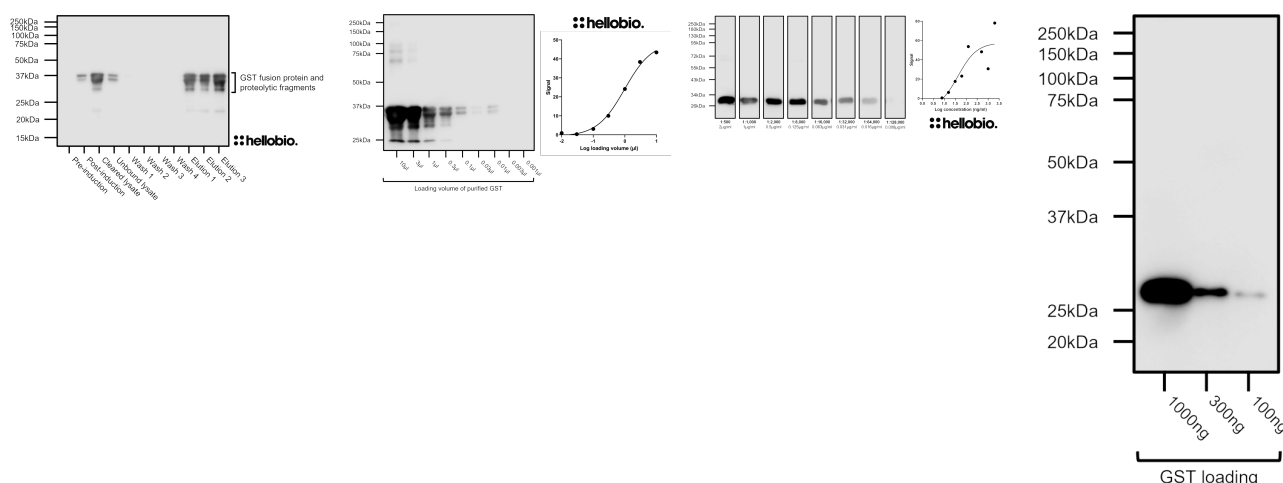
DATASHEET

Anti-GST tag antibody ValidAb™

Product overview

Name	Anti-GST tag antibody ValidAb™
Cat No	HB9897
Host	Mouse
Clonality	Monoclonal
Target	GST tag
Description	Antibody to the GST tag - widely used as a protein tag in molecular biology. Part of the ValidAb™ range of highly validated, data-rich antibodies.

Validation data



Product information

Immunogen	A GST-fusion protein
Clone number	S-tag-05
Isotype	IgG2b
Purification	Protein A affinity chromatography
Concentration	1mg/ml
Formulation	Lyophilised. When reconstituted contains PBS with 15mM sodium azide and 1% recombinant albumin
Predicted species reactivity	Species Independent
Tested species reactivity	Species Independent

Tested applications

Applications	ELISA, WB
Western blot optimal concentration	Dependent upon sample GST-fusion protein expression levels. When 10µg of a GST-fusion protein was loaded a strong signal was observed at antibody concentrations as low as 0.031µg/ml (1:32,000 dilution).
Positive control	Any tissue or cell sample that has been engineered to express a GST-tagged fusion protein.
Negative control	Any wild type tissue or cellular sample
Open data link	Please follow this link to the OSF

Target information

Other names	Glutathione S-transferase class-mu 26 kDa isozyme, Glutathione S-transferase tag
UniProt ID	P08515
Amino acids	218 (25.5kDa)
Isoforms	None
Expression	Exogenously expressed only. Not expressed natively in mammalian cells. Expressed natively in the blood fluke <i>Schistosoma japonicum</i>
Subcellular expression	GST-tagged proteins express in a range of subcellular compartments dependent upon the conjugated protein.

Storage & Handling

Storage instructions	-20 °C then use reconstitution advice
Reconstitution advice	We recommend reconstituting with either: <ul style="list-style-type: none">• dH₂O and storing at 4 °C• 50:50 ratio of dH₂O to glycerol and storing at -20 °C• dH₂O then aliquot and store at -80 °C

Take care when opening as the precipitate is extremely light and can easily be lost if disturbed. When reconstituting make sure that the antibody is thoroughly dissolved by pipetting up and down before giving the antibody a brief spin at <10,000g to make sure that all material is recovered and at the bottom of the tube.

Important	For more information please see our detailed guide on storing and using your antibody This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use
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References

Expression and purification of GST fusion proteins.

Harper S et al (2001) Current protocols in protein science Chapter 6

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Preparation of soluble GST fusion proteins.

Rebay I et al (2009) Cold Spring Harbor protocols 2009

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GST-His purification: a two-step affinity purification protocol yielding full-length purified proteins.

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Expression and purification of large active GST fusion enzymes.

Deceglie S et al (2014) Methods in molecular biology (Clifton, N.J.) 1129

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