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## Data Sheet

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### sdAb anti-VGLUT1, unconjugated

Catalog No.                      N1602-250µg  
   N1602-1mg

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**Identity**                      Camelid sdAb anti-VGLUT1, Clone Nb9  
   N- and C-terminal cysteines

**Data**                              Mr: 16.2 kD  
   Molar extinction coefficient (280nm): 32430/(M\*cm)

**Content**                        250µg or 1mg unconjugated sdAb in 10 mM KPi, 300  
   mM NaCl, 0.5 mM EDTA, 5 mM TCEP pH 6.0

**Reactivity**                    > 90%

**Storage**                        Up to 6 month: -80 °C

**Specificity**                    Recognizes specifically VGLUT1 from rat, mouse and  
   human. Other species not tested.

**References**                    Schenck et al (2017) Generation and Characterization of Anti-VGLUT  
   Nanobodies Acting as Inhibitors of Transport. *Biochemistry* 1;56(30)  
   :3962-3971

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For more information please visit our web page at [www.nano-tag.com](http://www.nano-tag.com)

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To be used *in vitro* / for research only.  
Non-toxic, non-hazardous, non-infectious.

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## Maleimide Labelling Protocol

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- Remove TCEP and exchange buffer to 10 mM KPi, 300 mM NaCl, 0.5 mM EDTA, pH 6.0 by size exclusion chromatography
- Before labelling, add 1/10 vol 1M Tris/HCl pH 8.0
- On ice, add 1.5- to 5- fold molar excess of fluorophore as maleimide
- Quickly vortex
- Overlay with Argon
- Place on ice for 90 min
- Separate excess of dye from the labelled sdAb e.g. by size exclusion chromatography