

## Product datasheet for **TA386176**

### Haemoglobin Rabbit Monoclonal Antibody [Clone ID: 2A1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2A1
Applications:	ELISA, WB
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	Murine hybridomas were generated using spleen cells from aging (8–10 month old) NZB/W F1 animals. Hybridomas secreting antibodies reactive to murine hemoglobin were subcloned by limiting dilution and antibody isotypes determined using commercial reagents. Eight-week-old NZB/W F1 were immunized subcutaneously with 50 mg mHb antigen emulsified in Complete Freund's Adjuvant.
Specificity:	2A1 exhibited polyreactive recognition of peptide 100-119 from the alpha subunit and peptide 100-119 from the beta subunit. Moreover, 2A1 bound Hb and the Hb-haptoglobin complex with equal efficiency, implying different binding sites on Hb for haptoglobin and 2A1. 2A1 was also found to distinguish between Hb and methHb.  2A1 has been used to bind to mHb in Western Blots and has been found to increase the secretion of TNF-alpha from endothelial cells when co-incubated with Hb, suggesting that 2A1 induces pro-inflammatory events (Bhatnagar 2011).
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Database Link:	<a href="#">P01942</a>
Note:	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG format, for improved compatibility with existing reagents, assays and techniques.



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