

# Product Datasheet

## Hemoglobin Antibody (2A1) [Alexa Fluor® 488] - Chimeric NBP3-20120AF488

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-20120AF488**

Hemoglobin Antibody (2A1) [Alexa Fluor® 488] - Chimeric

| Product Information     |  |
|-------------------------|--|
| Unit Size               | 0.1 ml   |
| Concentration           | Please see the vial label for concentration. If unlisted please contact technical services.  |
| Storage                 | Store at 4C in the dark.   |
| Clonality               | Monoclonal   |
| Clone                   | 2A1  |
| Preservative            | 0.05% Sodium Azide   |
| Isotype                 | IgG Kappa  |
| Conjugate               | Alexa Fluor 488  |
| Purity                  | Protein A purified   |
| Buffer                  | 50mM Sodium Borate   |
| Product Description     |  |
| Host                    | Rabbit   |
| Species                 | Mouse  |
| Specificity/Sensitivity | 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 metHb.   |
| 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.   |
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**Product Application Details**

|                              |  |
|------------------------------|--|
| <b>Applications</b>          | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence           |
| <b>Recommended Dilutions</b> | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence           |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined. |



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### Products Related to NBP3-20120AF488

|            |   |
|------------|---|
| NBP3-18008 | Mouse Hemoglobin ELISA Kit (Colorimetric) |
|------------|---|

### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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