

## PRODUCT SPECIFICATION

|                          |                                                                                                                                                                                                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name             | PrEST Antigen PMEL                                                                                                                                                                                                      |
| Product Number           | APrEST87051                                                                                                                                                                                                             |
| Gene Description         | premelanosome protein                                                                                                                                                                                                   |
| Alternative Gene Names   | D12S53E, gp100, Pmel17, SI, SIL, SILV                                                                                                                                                                                   |
| Corresponding Antibodies | Anti-PMEL (HPA031649)                                                                                                                                                                                                   |
| Description              | Recombinant protein fragment of Human PMEL                                                                                                                                                                              |
| Amino Acid Sequence      | Recombinant Protein Epitope Signature Tag (PrEST) antigen sequence:<br>PTAESTGMTPEKVPVSEVMGTTLAEMSTPEATGMTPAEVSIVVLSGTTAA<br>QVTTTEWVETTARELPIPEPEGPDASSIMSTESITGSLGPLLDGTATLRL<br>VKRQVPLDCVLYRYGSFSVTLDIVQGIESAEILQAV |
| Fusion Tag               | N-terminal His <sub>6</sub> ABP (ABP = Albumin Binding Protein derived from Streptococcal Protein G)                                                                                                                    |
| Expression Host          | <i>E. coli</i>                                                                                                                                                                                                          |
| Purification             | IMAC purification                                                                                                                                                                                                       |
| Predicted MW             | 32 kDa including tags                                                                                                                                                                                                   |
| Usage                    | Suitable as control in WB and preadsorption assays using indicated corresponding antibodies.                                                                                                                            |
| Purity                   | >80% by SDS-PAGE and Coomassie blue staining                                                                                                                                                                            |
| Buffer                   | PBS and 1M Urea, pH 7.4.                                                                                                                                                                                                |
| Unit Size                | 100 µl                                                                                                                                                                                                                  |
| Concentration            | Lot dependent                                                                                                                                                                                                           |
| Storage                  | Upon delivery store at -20°C. Avoid repeated freeze/thaw cycles.                                                                                                                                                        |
| Notes                    | Gently mix before use. Optimal concentrations and conditions for each application should be determined by the user.                                                                                                     |

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