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## 36-3158: Anti-gp100 / Melanosome / PMEL17 / SILV (Melanoma Marker) Polyclonal Antibody

Clonality: Polyclonal

Clone Name: N/A

Application: FACS,IF,WB,IHC

 Reactivity :
 Human

 Gene :
 SILV

 Gene ID :
 6490

 Uniprot ID :
 P40967

95kDa melanocyte-specific secreted glycoprotein, M-beta, Melanocyte lineage specific antigen

Alternative Name:

GP100, Melanocyte protein Pmel 17, Melanoma associated ME20 antigen, Melanosomal matrix

protein17, p100, p26, PMEL17, Premelanosome protein, Secreted melanoma-associated ME20

antigen, SILV, Silver homolog

Isotype: Rabbit IgG

Immunogen Information: Recombinant full-length human SILV protein

## **Description**

Cytotoxic T lymphocytes (CTL's) recognize melanoma-associated antigens, which belong to three main groups. These groups include tumor-associated testis-specific antigens, melanocyte differentiation antigens and mutated or aberrantly expressed antigens, which are routinely used as markers to identify melanomas based on their binding to specific monoclonal antibodies. gp100, also designated ME20-M, ME20-S and PMEL 17, is classified as a melanocyte differentiation antigen and is expressed at low levels in normal cell lines and tissues, but is upregulated in melanocytes. gp100 is a highly glycosylated protein. It is also the product of proteolytic cleavage, which results in a secreted protein.

## **Product Info**

**Amount :**  $20 \mu g / 100 \mu g$ 

Content: 200 µg/ml of Ab Purified by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.

Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage condition:

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is

stable for 24 months. Non-hazardous.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (2-4ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

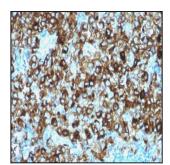


Fig. 1: Formalin-fixed, paraffin-embedded human Melanoma stained with gp100 Rabbit Polyclonal Antibody.