

Datasheet for ABIN7092938  
**anti-TPBG antibody (AA 32-355)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	TPBG
Binding Specificity:	AA 32-355
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This TPBG antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS)

## Product Details

Immunogen:	Recombinant human 5T4(Ser32-Ser355) (ABIN6964086) produced by using human HEK293 cells
Clone:	DM137
Isotype:	IgG
Purification:	Purified from cell culture supernatant by affinity chromatography

## Target Details

Target:	TPBG
Alternative Name:	5T4 ( <a href="#">TPBG Products</a> )
Background:	Synonyms:5T4

## Target Details

Description: This gene encodes a leucine-rich transmembrane glycoprotein that may be involved in cell adhesion. The encoded protein is an oncofetal antigen that is specific to trophoblast cells. In adults this protein is highly expressed in many tumor cells and is associated with poor clinical outcome in numerous cancers. Alternate splicing in the 5' UTR results in multiple transcript variants that encode the same protein.

Molecular Weight: 36.1 kDa

## Application Details

Application Notes: ELISA 1/5000-10000, Flow Cyt 1/100

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization., 0.1 % Procline 300

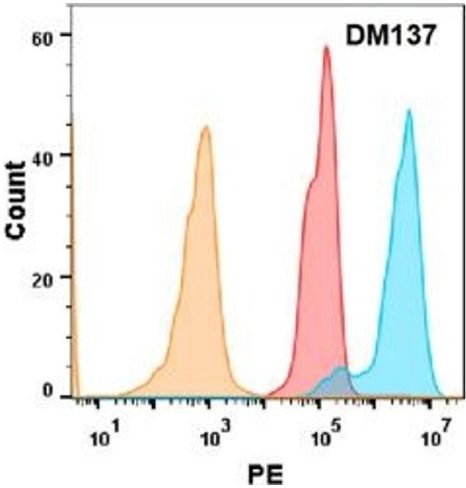
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

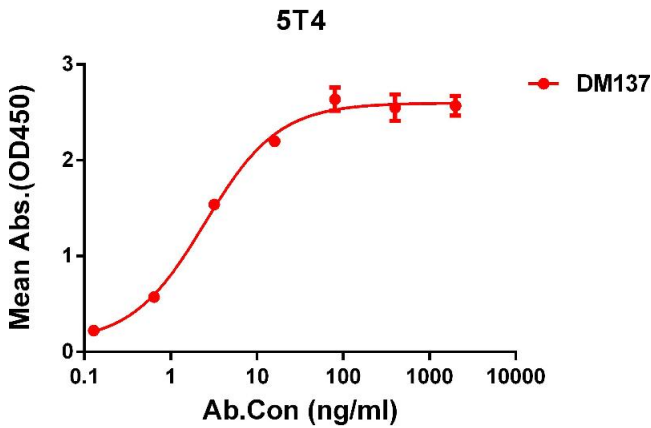
Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



### Flow Cytometry

**Image 1.** 5T4 protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-5T4 (DM137) on Expi293 cells transfected with human 5T4 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram)



### ELISA

**Image 2.** ELISA plate pre-coated by 1 µg/mL (100 µL/well) Human 5T4 protein, His tagged protein ((ABIN6964086, ABIN7042427 and ABIN7042428)) can bind Rabbit anti-5T4 monoclonal antibody(clone: DM137) in a linear range of 0.1-16 ng/mL.