

## Datasheet for ABIN6180772 **anti-HCG beta antibody (CF®568)**



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### Overview

|              |                                                    |
|--------------|----------------------------------------------------|
| Quantity:    | 100 µL                                             |
| Target:      | HCG beta                                           |
| Reactivity:  | Human                                              |
| Host:        | Mouse                                              |
| Clonality:   | Monoclonal                                         |
| Conjugate:   | This HCG beta antibody is conjugated to CF®568     |
| Application: | Immunohistochemistry (Frozen Sections) (IHC (fro)) |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Mouse Monoclonal anti-HCG beta (HCGb/211), CF568 Conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Immunogen:       | Purified human HCG-beta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Clone:           | HCGb-211                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Isotype:         | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Characteristics: | <p>This MAb reacts with a protein of 22 kDa, identified as <math>\beta</math> sub-unit of HCG. It does not cross react with the <math>\alpha</math> sub-unit. HCG is a glycoprotein, which is secreted in large quantities by normal trophoblasts. It is present only in trace amounts in non-pregnant urine and sera but rises sharply during pregnancy. HCG is composed of two non-identical, non-covalently linked polypeptide chains designated as the <math>\alpha</math> and <math>\beta</math> subunits. The <math>\alpha</math> subunit is identical to that of thyroid stimulating hormone (TSH), follicle stimulating hormone (FSH), and luteinizing hormone (LH). hCG MAb detects cells and tumors of trophoblastic origin such as choriocarcinoma. Large cell carcinoma and adenocarcinoma of the lung demonstrate anti-hCG positivity in 90 % and</p> |

## Product Details

60 % of cases respectively. 20 % of lung squamous cell carcinomas are positive. hCG expression by non-trophoblastic tumors may indicate aggressive behavior. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

|                   |                                                                        |
|-------------------|------------------------------------------------------------------------|
| Target:           | HCG beta                                                               |
| Abstract:         | <a href="#">HCG beta Products</a>                                      |
| Background:       | CG-beta, CGB3, CGB5, CGB7, CGB8, Choriogonadotropin Subunit beta, hCGB |
| Molecular Weight: | 22 kDa                                                                 |
| Gene ID:          | 1082, 172944                                                           |
| UniProt:          | <a href="#">P01233</a>                                                 |

## Application Details

|                    |                                      |
|--------------------|--------------------------------------|
| Application Notes: | Immunohistology (frozen) 0.5-1 µg/mL |
| Comment:           | Placenta                             |
| Restrictions:      | For Research Use only                |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 100 µg/mL                                                                                                              |
| Buffer:            | PBS/0.1 % BSA/0.05 % azide                                                                                             |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | Protect from light                                                                                                     |