

# Anti-5T4 [B1C3]

**Catalogue number:** 152575

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Peter Stern

**Institute:** Cancer Research UK, Manchester Institute

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-5T4 [B1C3]

**Alternate name:** Trophoblast Glycoprotein; 5T4 Oncofetal Trophoblast Glycoprotein; Wnt-Activated Inhibitory Factor 1; 5T4 Oncotrophoblast Glycoprotein; 5T4 Oncofetal Antigen; WAIF1; M6P1; 5T4; 5T4AG

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** The murine 5T4 monoclonal antibody, clone B1C3, defines the human 5T4 oncofoetal antigen, a highly glycosylated protein expressed by trophoblast and a few specialized adult epithelia. Up-regulation of 5T4 expression in some cancers is associated with poor clinical outcome; overexpression of human 5T4 cDNA in epithelial cells can alter their morphology and motility, supporting a role for such functions in cancer and development.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG2a

**Reactivity:** Mouse

**Selectivity:**

**Host:** Mouse

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** 5T4 oncofetal glycoprotein

**Target alternate names:**

**Target background:** The murine 5T4 monoclonal antibody, clone B1C3, defines the human 5T4 oncofoetal antigen, a highly glycosylated protein expressed by trophoblast and a few specialized adult epithelia. Up-regulation of 5T4 expression in some cancers is associated with poor clinical outcome; overexpression of human 5T4 cDNA in epithelial cells can alter their morphology and motility, supporting a role for such functions in cancer and development.

**Molecular weight:** 46.5 kDa

**Ic50:**

## Applications

**Application:** ELISA ; FACS ; Fn

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:** Anti-5T4 [B5C9] ; Anti-5T4 [B3F1] ; Anti-5T4 [B5C12]

## References

**References:** Leeb et al. 2011. Nature. 479(7371):131-4. PMID: 21900896.; Leeb et al. 2014. Cell Stem Cell. 14(3):385-93. PMID: 24412312.; Leeb et al. 2012. Development. 139(18):3301-5. PMID: 22912412.; Lowe et al. 1986. Focus Crit Care. 13(3):36-40. PMID: 3636235.

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