

## Anti-5T4 [39A11G5F2] Standard Size Ab02654-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** 39A11G5F2

**Alternative Name(s) of Target:** TPBG; M6P1; WAIF1; Trophoblast glycoprotein; 5T4 oncofetal antigen; 5T4 oncofetal trophoblast glycoprotein; 5T4 oncotrophoblast glycoprotein; Wnt-activated inhibitory factor 1

**UniProt Accession Number of Target Protein:** Q13641

**Published Application(s):** functional assay, ELISA, FC

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing BALB/cAnNCrI mice or SJL/JorllCoCrI mice with either full length TPBG or amino acid sequence 32-355 from TPBG.

**Specificity:** This antibody is specific for TPBG. It does not bind to the same epitope as 12B12C7C3.

**Application Notes:** An ELISA was performed on this antibody with TPBG protein (EP3395834). This antibody was used for flow cytometry on a CHOK1 cell line transformed to contain full-length human TPBG (EP3395834). A cytotoxicity assay was performed on TPBG-negative tumor cell line NCI-H1770 using this antibody conjugated with MMF (EP3395834).

**Antibody First Published in:** Xiaolan et al. Tpbg antibody and preparation method therefor, conjugate and use thereof. EP3395834A4 [PMID:](#)

**Note on publication:**

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:**

1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.