

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse 5T4 in direct ELISAs and Western blots. In direct ELISAs, approximately 5% cross-reactivity with recombinant human 5T4 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse 5T4 Ser30-Ser361 Accession # AAH58198
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

5T4 (oncofetal antigen 5T4; also TPBG and trophoblast glycoprotein) is a 72-80 kDa glycoprotein member of the LRR family of proteins. It is expressed on trophoblasts, tumor cells, ovarian cuboidal epithelium and differentiating embryonic stem cells and impacts cell adhesion and motility. The mouse 5T4 cDNA encodes a type I transmembrane protein precursor that is 426 amino acids (aa) in length. It contains a 332 aa extracellular region (aa 30-361) that shows one Ser-rich region followed by seven Leu-rich repeats (aa 90-338). Over aa 30-361, mouse 5T4 shares 95% and 81% aa identity with rat and human 5T4, respectively.

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