

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse 5T4 in direct ELISAs and Western blots. In direct ELISAs, approximately 5% cross-reactivity with recombinant human 5T4 is observed.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse 5T4 Ser30-Ser361 Accession # AAH58198
<b>Conjugate</b>	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
<b>Formulation</b>	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.

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

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	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.

## PRODUCT SPECIFIC NOTICES

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