5T4 Conjugated Antibody

Catalog No: #C48825

Package Size: #C48825-AF350 100ul #C48825-AF405 100ul #C48825-AF488 100ul #C48825-AF555 100ul #C48825-AF594 100ul #C48825-AF647 100ul #C48825-AF680 100ul #C48825-AF750 100ul #C48825-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	5T4 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	5T4 antibody 5T4 oncofetal antigen antibody 5T4 oncofetal trophoblast glycoprotein antibody 5T4 oncotrophoblast glycoprotein antibody 5T4AG antibody AW495680 antibody M6P1 antibody TPBG antibody TPBG_HUMAN antibody Trophoblast glycoprotein antibody
Accession No.	Swiss-Prot#:Q13641
Uniprot	Q13641
GeneID	7162;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	72 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

TPBG (trophoblast glycoprotein), also known as 5T4, M6P1 or 5T4AG, is a 420 amino acid single-pass type I membrane protein expressed by all types of trophoblasts as early as 9 weeks of development. TPBG contains an N-terminal putative signal sequence, a 310-residue extracellular region, a membrane anchorage domain and a 44-amino acid cytoplasmic tail with a potential phosphorylation site. The extracellular region has seven potential N-glycosylation sites and seven leucine-rich repeats, which are located in two regions separated by a hydrophilic stretch. Suggested to be involved in cell adhesion, TPBG may also be associated with tumor growth and progression.

Note: This product is for in vitro research use only