Eg5 Conjugated Antibody

Catalog No: #C49691

Package Size: #C49691-AF350 100ul #C49691-AF405 100ul #C49691-AF488 100ul #C49691-AF555 100ul #C49691-AF594 100ul #C49691-AF647 100ul #C49691-AF680 100ul #C49691-AF750 100ul #C49691-Biotin 100ul

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Description

Product Name	Eg5 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	EG5 antibody HKSP antibody KIF11 antibody KIF11_HUMAN antibody Kinesin family member 11 antibody Kinesin like protein 1 antibody Kinesin-like protein 1 antibody Kinesin-like protein KIF11 antibody Kinesin-like spindle protein HKSP antibody Kinesin-related motor protein Eg5 antibody KNSL1 antibody MCLMR antibody Thyroid receptor-interacting protein 5 antibody TR-interacting protein 5 antibody TRIP-5 antibody TRIP5 antibody
Accession No.	Swiss-Prot#:P52732
Uniprot	P52732
GeneID	3832;
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	119 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

Eukaryotes contain a superfamily of microtubule-based motor proteins comprising kinesin and a number of related proteins that are thought to participate in various forms of intracellular motility, including cell division and organelle transport. KIF11(also known as kinesin family member 11, Eg5 or TRIP5) is a slow, plus-end-directed microtubule-based motor of the BimC kinesin family that is essential for bipolar spindle formation during eukaryotic cell division. When the expression of KIF11 is blocked, centrosome migration halts and cells are arrested in mitosis with monoastral microtubule arrays. KIF11 is phosphorylated on serine during S phase and on both serine and Thr 927 during mitosis, which regulates the association of Eg5 with the spindle apparatus (probably during early prophase). KIF11 is also known to be a member of the thyroid receptor interacting protein (Trip) family, and interacts with the thyroid hormone receptor only in the presence of thyroid hormone.

Note: This product is for in vitro research use only