Midkine Conjugated Antibody

Catalog No: #C49378

Package Size: #C49378-AF350 100ul #C49378-AF405 100ul #C49378-AF488 100ul #C49378-AF555 100ul #C49378-AF594 100ul #C49378-AF647 100ul #C49378-AF680 100ul #C49378-AF750 100ul #C49378-Biotin 100ul

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Description

Product Name	Midkine 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	Amphiregulin associated protein antibody Amphiregulin-associated protein antibody ARAP antibody FLJ27379 antibody Mdk antibody Midgestation and kidney protein antibody Midkine antibody MK 1 antibody MK antibody MK_HUMAN antibody MK1 antibody NEGF 2 antibody NEGF2 antibody Neurite growth promoting factor 2 antibody Neurite outgrowth promoting protein antibody Neurite outgrowth-promoting factor 2 antibody Neurite outgrowth-promoting protein antibody Retinoic acid inducible factor antibody
Accession No.	Swiss-Prot#:P21741
Uniprot	P21741
GeneID	4192;
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	16 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

Midkine, or MK, is a heparin-binding molecule involved in the regulation of growth and differentiation during embryogenesis. MK expression is tightly regulated during embryonic development by steroid receptors of the retinoic acid superfamily. The mature human MK protein is 118 amino acids in length and contains five intrachain disulfide bonds. MK is a non-glycosylated protein that shows greater than 87% identity between human and mouse. The carboxy-terminus of MK contains the principle heparin-binding site and the moleculeoΩ½oΩ½s neurite-promoting sequences; both the amino- and carboxy-terminal sequences are required for the moleculeoΩ½oΩ½s neurotrophic properties. An association between overexpression of MK and colon adenocarcinoma has been shown in families suffering from familial polyposis. In addition, MK functions to enhance the activity of plasminogen activator (PA).

Note: This product is for in vitro research use only