

F2 Conjugated Antibody

Catalog No: #C40244



Package Size: #C40244-AF350 100ul #C40244-AF405 100ul #C40244-AF488 100ul
 #C40244-AF555 100ul #C40244-AF594 100ul #C40244-AF647 100ul
 #C40244-AF680 100ul #C40244-AF750 100ul #C40244-Biotin 100ul

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Description

Product Name	F2 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total F2 protein.
Immunogen Description	Synthetic peptide corresponding to residues near the N terminal of human coagulation factor II (thrombin)
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	PT; THPH1; RPRGL2
Accession No.	Swiss-Prot#:P00734NCBI Gene ID:2147NCBI Protein#:NP_000497
Uniprot	P00734
GeneID	2147;
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
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

Coagulation factor II is proteolytically cleaved to form thrombin in the first step of the coagulation cascade which ultimately results in the stemming of blood loss. F2 also plays a role in maintaining vascular integrity during development and postnatal life. Finally, peptides derived from the C-terminus of this protein have antimicrobial activity against *E. coli* and *P. aeruginosa*. Mutations in F2 leads to various forms of thrombosis and dysprothrombinemia.

Note: This product is for in vitro research use only