IL1A Conjugated Antibody

Catalog No: #C32638

Package Size: #C32638-AF350 100ul #C32638-AF405 100ul #C32638-AF488 100ul #C32638-AF555 100ul #C32638-AF594 100ul #C32638-AF647 100ul #C32638-AF680 100ul #C32638-AF750 100ul #C32638-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	IL1A Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total IL1A protein.
Immunogen Description	Recombinant protein of human IL1A.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	IL-1A;IL1;IL1-ALPHA;IL1F1
Accession No.	Swiss-Prot#:P01583NCBI Gene ID:3552
Uniprot	P01583
GeneID	3552;
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	31
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

Product Description

Antibodies were purified by affinity purification using immunogen.

Background

IL-1α is a pro-inflammatory cytokine produced by activated monocytes, lymphocytes and epithelial cells (1). IL-1α is synthesized as an active precursor protein that appears to be cleaved by cytosolic proteases into its mature form (1,2). Often, precursor and mature forms of IL-1α are primarily retained intracellularly rather than constitutively secreted. (1,2). Signaling by IL-1α involves IL-1α binding to an IL-1 accessory protein (IL-1-AcP) and then the complex binds to IL-1RI (1,2). Signaling is through activation of MAP kinase and NFκB pathways (1,2). IL-1α also binds to an IL-RII that lacks an intracellular signaling domain and thereby serves as a high affinity decoy receptor. Inhibition of IL-1α activity is through IL-1R antagonist (IL-1Ra) that binds IL-1R1 but does not signal. IL-1α has been shown to be a key mediator of virus-induced inflammatory responses in mice (3).

Note: This product is for in vitro research use only