

NGAL Conjugated Antibody

Catalog No: #C48378



Package Size: #C48378-AF350 100ul #C48378-AF405 100ul #C48378-AF488 100ul
 #C48378-AF555 100ul #C48378-AF594 100ul #C48378-AF647 100ul
 #C48378-AF680 100ul #C48378-AF750 100ul #C48378-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	NGAL Conjugated Antibody
Host Species	Mouse
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	24p3 antibody 25 kDa alpha 2 microglobulin related subunit of MMP9 antibody 25 kDa alpha-2-microglobulin-related subunit of MMP-9 antibody Alpha 2 microglobulin related protein antibody HGNC:6526 antibody HNL antibody Lcn 2 antibody Lcn2 antibody Lipocalin-2 antibody Migration stimulating factor inhibitor antibody MSFI antibody Neutrophil gelatinase associated lipocalin antibody Neutrophil gelatinase associated lipocalin precursor antibody Neutrophil gelatinase-associated lipocalin antibody NGAL antibody NGAL_HUMAN antibody Oncogene 24p3 antibody Oncogenic lipocalin 24p3 antibody p25 antibody Siderocalin antibody siderocalin LCN2 antibody SV40 induced 24P3 protein antibody Uterocalin antibody
Accession No.	Swiss-Prot#:P80188
Uniprot	P80188
GeneID	3934;
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	22 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

In addition to the monomeric mammalian progelatinase, two additional forms of progelatinase have been identified. The shorter of these additional forms is a covalently linked, disulfide-bridged protein that heterodimerizes with a short protein; an α 2-Microglobulin-related protein known as neutrophil gelatinase-associated lipocalin (NGAL), which is moderately expressed in breast and lung tissues. NGAL belongs to the lipocalin family and has a high degree of similarity with rat α 2-Microglobulin-related protein and mouse protein 24p3. NGAL is able to bind a derivative of the bacterial chemotactic peptide, suggesting that it has important immuno-modulatory functions. NGAL has been described as an inflammatory protein; it is released into the circulation as a result of the inflammatory activation of leukocytes initiated by the extra-corporeal circulation. In addition, NGAL synthesis is induced in epithelial cells in inflammatory and neoplastic colorectal diseases. In conclusion, NGAL may serve as a scavenger of bacterial products to function in the anti-inflammatory process.

Note: This product is for in vitro research use only