

ALDH1L1 Conjugated Antibody

Catalog No: #C49750



Package Size: #C49750-AF350 100ul #C49750-AF405 100ul #C49750-AF488 100ul

#C49750-AF555 100ul #C49750-AF594 100ul #C49750-AF647 100ul

#C49750-AF680 100ul #C49750-AF750 100ul #C49750-Biotin 100ul

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Description

Product Name	ALDH1L1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	10 formyltetrahydrofolate dehydrogenase antibody 10 FTHFDH antibody 10-formyltetrahydrofolate dehydrogenase antibody 10-FTHFDH antibody AL1L1_HUMAN antibody Aldehyde dehydrogenase 1 family member L1 antibody Aldehyde dehydrogenase family 1 member L1 antibody aldh1l1 antibody Cytosolic 10-formyltetrahydrofolate dehydrogenase antibody DKFZp781N0997 antibody EC 1.5.1.6 antibody FDH antibody formyltetrahydrofolate dehydrogenase antibody FTHFD antibody OTTHUMP00000155221 antibody OTTHUMP00000214696 antibody OTTHUMP00000214700 antibody OTTHUMP00000222724 antibody
Accession No.	Swiss-Prot#:O75891
Uniprot	O75891
GeneID	10840;
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	99 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

10-formyltetrahydrofolate dehydrogenase is an enzyme that in humans is encoded by the ALDH1L1 gene. The protein encoded by this gene catalyzes the conversion of 10-formyltetrahydrofolate, NADP, and water to tetrahydrofolate, NADPH, and carbon dioxide. The encoded protein belongs to the aldehyde dehydrogenase family and is responsible for formate oxidation in vivo. Deficiencies in this gene can result in an accumulation of formate and subsequent methanol poisoning.

Note: This product is for in vitro research use only