

Immunotag™ SAMHD1 Antibody

Antibody Specification	
Catalog No.	ITA3876
Product Description	Immunotag™ SAMHD1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SAMHD1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:1000-3000
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human SAMHD1
Specificity	SAMHD1 Antibody detects endogenous levels of total SAMHD1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	SAMHD1
Accession No.	Q9Y3Z3
Alternate Names	CHBL2; DCIP; Dendritic cell derived IFNG induced protein; Dendritic cell-derived IFNG-induced protein; Deoxynucleoside triphosphate triphosphohydrolase SAMHD1; dNTPase; HD domain containing 1; HDDC1; Mg11; Monocyte protein 5; MOP 5; MOP-5; MOP5; OTTHUMP00000030889; SAM domain and HD domain 1; SAM domain and HD domain containing protein 1; SAM domain and HD domain-containing protein 1; SAMH1_HUMAN; Samhd1; SBBI88;

Antibody Specification

Description	Host restriction nuclease involved in defense response to virus. Has dNTPase activity and reduces cellular dNTP levels to levels too low for retroviral reverse transcription to occur. Blocks early-stage virus replication in dendritic and other myeloid cells. Likewise, suppresses LINE-1 retrotransposon activity. May play a role in mediating proinflammatory responses to TNF-alpha signaling (PubMed:18546154, PubMed:19525956, PubMed:22056990, PubMed:24336198, PubMed:28229507). Has ribonuclease activity, acting on single-stranded RNA. This activity is essential for HIV-1 restriction (PubMed:25038827).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	72KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.