

## Immunotag™ CD63 Antibody

Antibody Specification	
Catalog No.	ITA1290
Product Description	Immunotag™ CD63 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	CD63
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	IHC 1:50-1:200 WB 1:1000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human CD63
Specificity	CD63 Antibody detects endogenous levels of total CD63
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	CD63
Accession No.	P08962

## Antibody Specification

Alternate Names	Lysosomal associated membrane protein 3; CD 63; CD63; CD63 antigen (melanoma 1 antigen); CD63 antigen; CD63 antigen melanoma 1 antigen; CD63 molecule; CD63_HUMAN; gp55; Granulophysin; LAMP 3; LAMP-3; LAMP3; LIMP; Lysosomal-associated membrane protein 3; Lysosome associated membrane glycoprotein 3; Mast cell antigen AD1; ME491; Melanoma 1 antigen; Melanoma associated antigen ME491; Melanoma associated antigen MLA1; Melanoma-associated antigen ME491; MGC72893; MLA 1; MLA1; NGA; Ocular melanoma associated antigen; Ocular melanoma-associated antigen; OMA81H; PTLGP40; Tetraspanin 30; Tetraspanin-30; Tspan 30; Tspan-30; TSPAN30;
Description	Functions as cell surface receptor for TIMP1 and plays a role in the activation of cellular signaling cascades. Plays a role in the activation of ITGB1 and integrin signaling, leading to the activation of AKT, FAK/PTK2 and MAP kinases. Promotes cell survival, reorganization of the actin cytoskeleton, cell adhesion, spreading and migration, via its role in the activation of AKT and FAK/PTK2. Plays a role in VEGFA signaling via its role in regulating the internalization of KDR/VEGFR2. Plays a role in intracellular vesicular transport processes, and is required for normal trafficking of the PMEL luminal domain that is essential for the development and maturation of melanocytes. Plays a role in the adhesion of leukocytes onto endothelial cells via its role in the regulation of SELP trafficking. May play a role in mast cell degranulation in response to Ms4a2/FceRI stimulation, but not in mast cell degranulation in response to other stimuli.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	25kDa,47kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.