

## LY75 Conjugated Antibody

Catalog No: #C49839



Package Size: #C49839-AF350 100ul #C49839-AF405 100ul #C49839-AF488 100ul  
 #C49839-AF555 100ul #C49839-AF594 100ul #C49839-AF647 100ul  
 #C49839-AF680 100ul #C49839-AF750 100ul #C49839-Biotin 100ul

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## Description

Product Name	LY75 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	C-type lectin domain family 13 member B antibody CD 205 antibody CD205 antibody CD205 antigen antibody CLEC 13B antibody CLEC13B antibody DEC 205 antibody DEC-205 antibody DEC205 antibody gp200 antibody gp200 MR6 antibody gp200-MR6 antibody LY 75 antibody Ly-75 antibody LY75 antibody LY75_HUMAN antibody Lymphocyte antigen 75 antibody Renal Cell Carcinoma (gp200) antibody
Accession No.	Swiss-Prot#:O60449
Uniprot	O60449
GeneID	100526664;4065;
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	198 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

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## Background

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DEC-205 (LY75, lymphocyte antigen 75, GP200-MR6) is a 1,695 residue (mature form) multilectin receptor that belongs to the MMR (macrophage mannose receptor) family of multidomain molecules. MMR family molecules mediate membrane receptor targeting to endosomes or lysosomes rich in major histocompatibility complex class II (MHC II) products. Expressed in mature dendritic cells (DC), DEC-205 contains an extracellular N-terminal cysteine-rich domain, a fibronectin type II domain, ten C-type carbohydrate recognition domains, a single transmembrane region and a small cytoplasmic C-terminal domain (31 amino acids) containing a tyrosine at 1679. DEC-205 elicits either an agonistic or antagonistic effect on IL-4 function, which is demonstrated by the ability of DEC-205 to imitate IL-4-induced maturation of epithelium or to inhibit IL-4-induced proliferation of T cells, respectively.

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Note: This product is for in vitro research use only