

## IL13 Conjugated Antibody

Catalog No: #C38354



Package Size: #C38354-AF350 100ul #C38354-AF405 100ul #C38354-AF488 100ul  
 #C38354-AF555 100ul #C38354-AF594 100ul #C38354-AF647 100ul  
 #C38354-AF680 100ul #C38354-AF750 100ul #C38354-Biotin 100ul

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## Description

Product Name	IL13 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total IL13 antibody.
Immunogen Description	Recombinant protein of human IL13.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ALRH; BHR1; IL-13; MGC116786; MGC116788; MGC116789; P600;
Accession No.	Swiss-Prot#:P35225NCBI Gene ID:3596
Uniprot	P35225
GeneID	3596;
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	16
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

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IL-13 is produced by T cells and is important in the TH2 response. IL-13 targets include B cells, eosinophils, fibroblasts, mast cells and macrophages (1-3). IL-13 binds specifically to IL-13R $\alpha$ 1 that complexes with IL-4R $\alpha$  to form the Type II IL-4R. Jak1 and Tyk2 are activated and signal through Stat3 and Stat6 (6). IL-13R $\alpha$ 2 is a different gene product, lacks the intracellular domain, does not complex with IL-4R $\alpha$  and does not signal (1,6,7). The extracellular domain of IL-13R $\alpha$ 2 is often elevated in diseased states. IL-13 plays key roles in airway hyperresponsiveness (AHR) of allergic asthma (1,4,5) and modulates resistance to parasitic organisms (1).

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Note: This product is for in vitro research use only