



## CD8 alpha Monoclonal Antibody (KT15), FITC

Catalog Number MA5-16759

Product Data Sheet

Details		Species Reactivity	
Size	100ug	Tested species reactivity	Mouse
Host / Isotype	Rat / IgG2a	Published Species Reactivity	Human
Class	Monoclonal	Tested Applications	Dilution *
Type	Antibody	Flow Cytometry (Flow)	Neat-1:10
Clone	KT15	Published Applications	
Immunogen	T cell clone, C6	Immunohistochemistry (IHC)	See 1 publications below
Conjugate	FITC	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	0.1mg/ml		
Purification	Protein A		
Storage Buffer	PBS with 1% BSA		
Contains	0.09% sodium azide		
Storage Conditions	4°C or -20°C if preferred, store in dark		

### Product Specific Information

For FACS analysis, use 10ul of the suggested working dilution to label  $1 \times 10^6$  cells in 100ul.

### Background/Target Information

CD8 is expressed on T-cells and exists either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. CD8 functions as a co-receptor with the T-cell receptor and mediates efficient cell-to-cell interactions within the immune system. The CD8 alpha chain specifically binds to class I MHC molecules. CD8 alpha is expressed by a subset of T lymphocytes, most thymocytes, and the majority of NK cells.

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