

## Product datasheet for **TA320299**

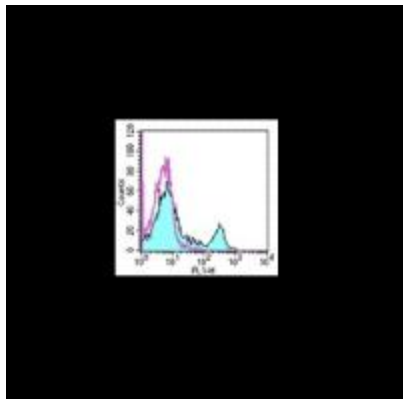
### **Cd8a Rat Monoclonal Antibody [Clone ID: 53-6.7]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	53-6.7
Applications:	FC
Recommended Dilution:	Flow, IHC, IP
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD8 antigen, alpha chain
Database Link:	<a href="#">NP_033987</a> <a href="#">Entrez Gene 12525 Mouse P01731</a>
Background:	The 53-6.7 monoclonal antibody reacts with the mouse CD8a molecule. CD8a is an approximately 32-34 kDa cell surface receptor expressed either as a heterodimer with the CD8 beta chain (CD8 alpha beta) or as a homodimer (CD8 alpha alpha). A majority of thymocytes and a subpopulation of mature alpha beta TCR T cells express CD8 alpha beta while gamma delta TCR T cells, a subpopulation of intestinal intraepithelial lymphocytes (IELs) and dendritic cells express CD8 alpha alpha. CD8 binds to MHC class I and through its association with protein tyrosine kinase p56lck plays a role in T cell development and activation of mature T cells.
Synonyms:	CD8; Leu2; MAL; OTTHUMP00000203721; p32



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**Product images:**

Staining of C57Bl/6 splenocytes with 0.125 ug of Rat IgG2a Isotype Control Purified (open histogram) or 0.125 ug of Anti-Mouse CD8 Purified (filled histogram) followed by Anti-Rat IgG FITC. Total viable cells were used for analysis.