

CD8 alpha antibody [53-6.7]

Cat. No. GTX00604

| | |
|---------------------|---|
| Host | Rat |
| Clonality | Monoclonal |
| Isotype | IgG2a |
| Applications | ICC/IF, IHC-P, IHC-Fr, FCM, IP, Depletion |
| Reactivity | Mouse |

References (11)

Package

100 µg

PRODUCT

Summary

The 53-6.7 antibody reacts with the 32-34 kDa alpha subunit of mouse CD8, known as CD8a or CD8 alpha. CD8a can form a homodimer (CD8 alpha-alpha), but is more commonly expressed as a heterodimer with a second chain known as CD8b or CD8 beta. CD8 acts as a co-receptor in antigen recognition and subsequent T cell activation that is initiated upon binding of the T cell receptor (TCR) to antigen-bearing MHC Class I molecules. The cytoplasmic domains of CD8 provide binding sites for the tyrosine kinase lck, facilitating intracellular signaling events that lead to T cell activation, development, and cytotoxic effector functions. CD8+ cytotoxic T cells (CTLs) play an important role in inducing cell death of tumor cells, as well as cells infected by virus, bacteria or parasites.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|--------------------|----------------------|
| ICC/IF | Assay dependent |
| IHC-P | Assay dependent |
| IHC-Fr | Assay dependent |
| FCM | Assay dependent |
| IP | Assay dependent |
| Depletion | Assay dependent |

Not tested in other applications.

Properties

| | |
|----------------------|---|
| Form | Liquid |
| Buffer | 10mM NaH ₂ PO ₄ , 150mM NaCl |
| Preservative | 0.09% Sodium azide |
| Storage | Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. |
| Concentration | 0.5 mg/ml (Please refer to the vial label for the specific concentration.) |
| Immunogen | Mouse spleen cells |



For full product information, images and publications, please visit our [website](#).

| | |
|---------------------|---|
| Purification | Purified by affinity chromatography From tissue culture supernatant |
| Conjugation | Unconjugated |
| Note | <p>For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.</p> <p>Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.</p> |



For full product information, images and publications, please visit our [website](#).