

CD 8a

Cat.No. HS-361 017; Monoclonal rat antibody, 200 µl purified IgG (lyophilized)

Data Sheet

Reconstitution/Storage	200 µl purified IgG, lyophilized. Albumin and azide were added for stabilization. For reconstitution add 200 µl H ₂ O to get a 1 mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	IHC-P/FFPE: 1 : 100
Clone	GHH8/321E9
Subtype	IgG2a
Immunogen	Synthetic peptide corresponding to AA 230 to 247 from mouse CD8a (UniProt Id: P01731)
Epitop	Epitop: AA 230 to 247 from mouse CD8a (UniProt Id: P01731)
Reactivity	Reacts with: mouse (P01731). No signal: human. Other species not tested yet.
Specificity	Specific for CD 8a.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

CD 8 is a heterodimeric T-cell surface glycoprotein that consists of a **CD 8a** (alpha) and beta chain. It identifies cytotoxic/suppressor T-cells that interact with MHC class I bearing targets. CD 8 is thought to play a role in the process of T-cell mediated killing. CD 8 alpha chains binds to class I MHC molecules alpha-3 domains.

Selected References SYSY Antibodies

Helicobacter pylori γ-glutamyl transferase contributes to colonization and differential recruitment of T cells during persistence. Wüstner S, Anderl F, Wanisch A, Sachs C, Steiger K, Nerlich A, Vieth M, Mejías-Luque R, Gerhard M Scientific reports (2017) 7(1): 13636. **IHC-P; tested species: mouse**

Impact of Chemical-Induced Mutational Load Increase on Immune Checkpoint Therapy in Poorly Responsive Murine Tumors. Kuczynski EA, Krueger J, Chow A, Xu P, Man S, Sundaravadanam Y, Miller JK, Krzyzanowski PM, Kerbel RS Molecular cancer therapeutics (2018) 17(4): 869-882. **IHC-P; tested species: mouse**

Selected General References

Cutting Edge: Resident Memory CD8 T Cells Express High-Affinity TCRs. Frost EL, Kersh AE, Evavold BD, Lukacher AE Journal of immunology (Baltimore, Md. : 1950) (2015) 195(8): 3520-4.

New insights on the role of CD8(+)/CD57(+) T-cells in cancer. Wu RC, Hwu P, Radvanyi LG Oncoimmunology (2012) 1(6): 954-956.

Mice lacking CD8+ T cells develop greater numbers of IgA-producing cells in response to a respiratory virus infection. Hyland L, Hou S, Coleclough C, Takimoto T, Doherty PC Virology (1994) 204(1): 234-41.

CD4 and CD8 subsets defined by dual-color cytofluorometry which distinguish symptomatic from asymptomatic blood donors seropositive for human immunodeficiency virus. Prince HE, Arens L, Kleinman SH Diagnostic and clinical immunology (1987) 5(4): 188-93.

Isolation of pure functionally active CD8+ T cells. Positive selection with monoclonal antibodies directly conjugated to monosized magnetic microspheres. Gaudernack G, Leivestad T, Ugelstad J, Thorsby E Journal of immunological methods (1986) 90(2): 179-87.

Function of the CD4 and CD8 molecules on human cytotoxic T lymphocytes: regulation of T cell triggering. Fleischer B, Schrezenmeier H, Wagner H Journal of immunology (Baltimore, Md. : 1950) (1986) 136(5): 1625-8.