

30-1463: Anti-CD8b Monoclonal Antibody (Clone:341)

Clonality :	Monoclonal
Clone Name :	341
Application :	FACS, IP, WB, IHC-Fr, Functional Assay
Reactivity :	Rat
Gene :	Cd8b
Gene ID :	24931
Uniprot ID :	P05541
Format :	Purified
Alternative Name :	Cd8b, Cd8b1, CD8 antigen 37 kDa chain, OX-8 membrane antigen
Isotype :	Mouse IgG1
Immunogen Information :	CD8 positive Wistar rat splenic T cell hybridomas

Description

The CD8b (CD8 beta) subunit of CD8 T cell coreceptor is expressed in CD8 alpha/beta heterodimers on majority of MHC I-restricted conventional T cells and thymocytes and in CD8 alpha/alpha homodimers on subsets of memory T cells, intraepithelial lymphocytes, NK cells, macrophages, mast cells, and dendritic cells. Regulation of CD8 beta level on T cell surface seems to be an important mechanism to control their effector function. Assembly of CD8 alpha/beta but not alpha/alpha dimers is connected with formation or localization to the lipid rafts. Recruiting triggered TCR complexes to these membrane microdomains as well as affinity of TCR to MHC I is modulated by CD8, thereby affecting the functional diversity of the TCR signaling.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow Cytometry *Recommended dilution:* 1.5 μ g/ml

Immunoprecipitation Western Blotting Immunohistochemistry (frozen sections) Functional Application

Macrophage stimulation, in vitro blocking of allogenic responses