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CD8 Rabbit pAb

Catalog # AP96722

Product Information

Application	WB
Reactivity	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from rat CD8
Epitope Specificity	51-150/235
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
SUBUNIT	In general heterodimer of an alpha and a beta chain linked by two disulfide bonds. Can also form homodimers.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain. Multiple transcript variants encoding different isoforms have been found for this gene. The major protein isoforms of this gene differ by the presence or absence of a transmembrane domain and thus differ in being a membrane-anchored or secreted protein. [provided by RefSeq, May 2020]

Additional Information

Other Names	CD8; CD8alpha; IMD116; Leu2; p32; Ly-2; Ly-35; Ly-B; Lyt-2; CD8A_HUMAN; CD8A; T-lymphocyte differentiation antigen T8/Leu-2; MAL; CD8A_MOUSE; T-cell surface glycoprotein Lyt-2; Lyt2; G1SX34_RABIT; CD8 subunit alpha; CD8 antigen, alpha polypeptide (p32); T-cell surface glycoprotein CD8 alpha chain; CD8a molecule
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Name	CD8 Rabbit pAb
Function	Identifies cytotoxic/suppressor T-cells that interact with MHC class I bearing targets. CD8 is thought to play a role in the process of T-cell mediated killing. CD8 alpha chains binds to class I MHC molecules alpha-3 domains.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.