## CD8A Polyclonal Rabbit Antibody (N/A)



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## **Product Description**

CD8 is a 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 T cells and NK cells express CD8a. CD8 binds to MHC class 1 and through its association with protein tyrosine kinase p56lck plays a role in T cell development and activation of mature T cells. For mature T-cells, CD4 and CD8 are mutually exclusive, so anti-CD8, generally used in conjunction with anti-CD4. It is a useful marker for distinguishing helper/inducer T-lymphocytes, and most peripheral T-cell lymphomas are CD4 /CD8-. Anaplastic large cell lymphoma is usually CD4 and CD8-, and in T-lymphoblastic lymphoma/leukemia, CD4 and CD8 are often co-expressed. CD8 is also found in littoral cell angioma of the spleen. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. See the CF® Dye Brochure for more information. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors. **Stock status:** Because Biotium offers a large number of antibody and conjugation options, primary antibody conjugates may be made to order. Typical lead times are up to one week for CF® dye and biotin conjugates, and up to 2-3 weeks for fluorescent protein and enzyme conjugates. Please email order@biotium.com to inquire about stock status and lead times before placing your order.

Antibody number #1780  Antibody reactivity (target) CD8A Antibody type Primary  Host species Rabbit  Clonality Polyclonal  Clone N/A  Isotype IgG  Molecular weight 32 kDa  Synonyms CD8 antigen; alpha polypeptide (p32); T8/Leu-2 T-lymphocyte differentiation antigen; Ly3; LY73; MAL; T-cell surface glycoprotein CD8 alpha chain  Human gene symbol CD8A  Entrez gene ID 925  SwissProt P01732  Unigene 85258  Immunogen Recombinant full-length human CD8a protein  Verified antibody IHC (FFPE) (verified)  Antibody target cellular localization Species reactivity  Positive control HuT78 or hPBL. Tonsil  Shipping condition Room temperature  Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C  Regulatory status For research use only (RUO)  Antibody/conjugate formulation  Antibody Salvice, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA,	Product attributes			
(target) Antibody type Primary Host species Rabbit Clonality Polyclonal Clone NI/A Isotype IgG Molecular weight 32 kDa Synonyms CD8 antigen; alpha polypeptide (p32); T8/Leu-2 T-lymphocyte differentiation antigen; Ly3; LY73; M4I; T-cell surface glycoprotein CD8 alpha chain Human gene symbol CD8A Entrez gene ID 925 SwissProt P01732 Unigene Recombinant full-length human CD8a protein Immunogen Recombinant full-length human CD8a protein Verified antibody IHC (FFPE) (verified) Plasma membrane Iocalization Species reactivity Positive control HuT78 or hPBL. Tonsil Shipping condition Storage Conditions Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store SBA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation PSS/0.05% 8AS, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.5% BSA	Antibody number	#1780		
Host species Rabbit  Clonality Polycional  Clone N/A  Isotype IgG  Molecular weight 32 kDa  Synonyms CD8 antigen; alpha polypeptide (p32); T8/Leu-2 T-lymphocyte differentiation antigen; Ly3; LYT3; Mkl; T-cell surface glycoprotein CD8 alpha chain  Human gene symbol CD8A  Entrez gene ID 925  SwissProt P01732  Unigene 85258  Immunogen Recombinant full-length human CD8a protein  Verified antibody IHC (FFPE) (verified)  Antibody target cellular localization Species reactivity  Positive control HuT78 or hPBL. Tonsil  Shipping condition Room temperature  Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C  Regulatory status For research use only (RUO)  Antibody/conjugate formulation PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.5% BSA,		CD8A		
Clonality Polyclonal Clone NI/A Isotype IgG Molecular weight 32 kDa Synonyms CDB antigen; alpha polypeptide (p32); T8/Leu-2 T-lymphocyte differentiation antigen; Ly3, LYT3; ML4; T-cell surface glycoprotein CDB alpha chain Human gene symbol CDBA Entrez gene ID 925 SwissProt P01732 Unigene 85258 Immunogen Recombinant full-length human CDBa protein Verified antibody IHC (FFPE) (verified) Plasma membrane Iocalization Species reactivity Positive control HuT78 or hPBL. Tonsil Shipping condition Room temperature Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation Conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05%	(target) Antibody type	Primary		
Clone Isotype IgG Molecular weight 32 kDa Synonyms CD8 antigen; alpha polypeptide (p32); T8/Leu-2 T-lymphocyte differentiation antigen; Ly3; LY73; MLt; T-cell surface glycoprotein CD8 alpha chain  Human gene symbol CD8A Entrez gene ID 925 SwissProt P01732 Unigene 85258 Immunogen Recombinant full-length human CD8a protein Verified antibody IHC (FFPE) (verified) Plasma membrane Iocalization Species reactivity Positive control HuT78 or hPBL. Tonsil Shipping condition Storage Conditions Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store SAA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation Antibody/conjugates for Ing/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.5% BSA, Purified: 0.2 mg/mL in PBS/0.5% BSA, Purified: 0.2 mg/mL in PBS/0.5% BSA/mere: 1 mg/mL in PBS/mere: 1 mg/mL in	Host species	Rabbit		
Isotype   IgG	Clonality	Polyclonal		
Molecular weight   32 kDa	Clone	N/A		
Synonyms  CD8 antigen; alpha polypeptide (p32); T8/Leu-2 T-lymphocyte differentiation antigen; Ly3; LY73; MAL; T-cell surface glycoprotein CD8 alpha chain  Human gene symbol  CD8A  Entrez gene ID  925  SwissProt  P01732  Unigene  85258  Immunogen  Recombinant full-length human CD8a protein  Verified antibody  IHC (FFPE) (verified)  Plasma membrane  Icoalization Species reactivity  Positive control  Shipping condition  Storage Conditions  Storage Conditions  Storage Conditions  For research use only (RUO)  Antibody/conjugate formulation  Antibody/conjugate formulation  For research use only (RUO)  Antibody/conjugate formulation  Antibody/conjugate formulation  Sha/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% azide, PBS AN/0.05% azide, PBS without azide  Shelf life  Guaranteed for at least 24 months from date of receipt when stored as	Isotype	IgG		
T8/Leu-2 T-lymphocyte differentiation antigen; 1y3; LYT3; MAL; T-cell surface glycoprotein CD8 alpha chain  Human gene symbol CD8A  Entrez gene ID 925  SwissProt P01732  Unigene 85258  Immunogen Recombinant full-length human CD8a protein  Verified antibody IHC (FFPE) (verified)  Plasma membrane Icoalization Species reactivity Plasma membrane Human  Positive control HuT78 or hPBL. Tonsil  Shipping condition Room temperature  Storage Conditions  Storage Conditions  For research use only (RUO)  Antibody/conjugate formulation  Positive control Sparine are allowed to 35 °C  Regulatory status For research use only (RUO)  Antibody/conjugate formulation  Shipping condition Sparine are allowed to 35 °C  Regulatory Status For research use only (RUO)  Antibody/conjugate formulation Sparine in PBS/0.05% azide, HPR conjugates: 0.1 mg/mL in PBS/0.05% azide, HPR conjugates: 0.2 mg/mL in PBS/0.05% azide, HPR conjugates: 0.1 mg/mL in PBS/0.05% a	Molecular weight	32 kDa		
Entrez gene ID 925  SwissProt P01732  Unigene 85258  Immunogen Recombinant full-length human CD8a protein  Verified antibody Planting Antibody arget cellular localization Species reactivity Plasma membrane Human  Positive control HuT78 or hPBL. Tonsil  Shipping condition Room temperature  Storage Conditions  Storage Conditions  Storage Conditions  Storage Conditions  For research use only (RUO)  Antibody/conjugate formulation  Antibody/conjugate formulation  PSS/0.05% azide, HPB conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HPB conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.65% azide, Purffied: DSA-free: 1 mg/mL in PBS without azide  Shelf life Guaranteed for at least 24 months from date of receipt when stored as	Synonyms	T8/Leu-2 T-lymphocyte differentiation antigen; Ly3; LYT3; MAL; T-cell surface		
SwissProt   P01732	Human gene symbol	CD8A		
Unigene 85258  Immunogen  Recombinant full-length human CD8a protein  Verified antibody Antibody target cellular localization Species reactivity  Positive control  Shipping condition  Storage Conditions  For research use only (RUO)  Antibody/conjugate form light, Note: store BSA-free antibodies at -10 to -35 °C  Regulatory status  For research use only (RUO)  Antibody/conjugate form light PSS/0.05% azide, Purfied: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purfied: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purfied: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purfied: 0.2 mg/mL in PBS/0.05% azide, Purfied: 0.2 m	Entrez gene ID	925		
Immunogen	SwissProt	P01732		
protein    Protein	Unigene	85258		
Antibody target cellular localization Species reactivity Positive control HuT78 or hPBL. Tonsil Shipping condition Storage Conditions Storage Cond	Immunogen			
Antibody target cellular localization Species reactivity  Positive control HuT78 or hPBL. Tonsil  Shipping condition Room temperature  Storage Conditions  For research use only (RUO)  Antibody/conjugate formulation  Conjugates: 0.1 mg/mL in PBS/0.1%  BSA/0.05% azide, HPP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purffied: 0.2 mg/mL in PBS/0.05% BSA, Purffied: 0.2 mg/mL in PBS/0.05% BSA/Desse azide, Purffied: BSA-free: 1 mg/mL in PBS/Desse azide, Purffied: DSA-free: 1 mg/mL in PBS/Desse azide, Purffi		IHC (FFPE) (verified)		
Species reactivity	Antibody target cellular	Plasma membrane		
Shipping condition   Room temperature	Species reactivity	Human		
Storage Conditions   Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C	Positive control	HuT78 or hPBL. Tonsil		
conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C  Regulatory status  For research use only (RUO)  Antibody/conjugate formulation  Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide  Shelf life  Guaranteed for at least 24 months from date of receipt when stored as	Shipping condition	Room temperature		
Antibody/conjugate formulation  Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.05% azide, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide  Shelf life  Guaranteed for at least 24 months from date of receipt when stored as	Storage Conditions	conjugates from light, Note: store		
formulation  BSÁ/Ű 0.5% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.05% azide, Purified. 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide  Shelf life  Guaranteed for at least 24 months from date of receipt when stored as	Regulatory status	For research use only (RUO)		
date of receipt when stored as		BSÁ/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS		
	Shelf life	date of receipt when stored as		

NK cells, T-cells

Leukemia/lymphoma

Cell/tissue expression

Tumor expression

Email: btinfo@biotium.com

Antibody # prefix	Conjugation	Ex/Em (nm)	Laser line	Detection channel	Dye Features
BNC04	CF®405S	404/431	405	DAPI (microscopy), AF405	CF®405S Features
BNC88	CF®488A	490/515	488	GFP, FITC	CF®488A Features
BNC68	CF®568	562/583	532, 561	RFP, TRITC	CF®568 Features
BNC94	CF®594	593/614	561	Texas Red®	CF®594 Features
BNC40	CF®640R	642/662	633-640	Cy®5	CF®640R Features
BNC47	CF®647	650/665	633-640	Cy®5	CF®647 Features
BNCB	Biotin	N/A	N/A	N/A	
BNUB	Purified	N/A	N/A	N/A	
BNUM	Purified, BSA-free	N/A	N/A	N/A	

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