

Product Datasheet

MHC Class I Antibody (R1-9.6) - Chimeric - Azide and BSA Free NBP3-09016-0.2mg

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-09016-0.2mg

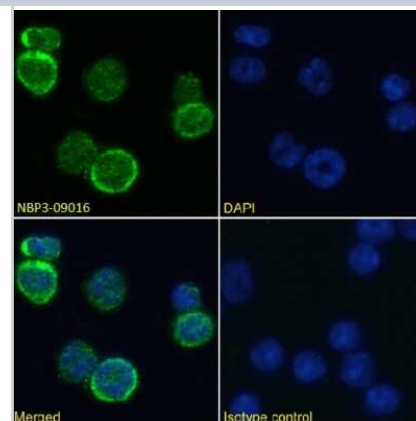
MHC Class I Antibody (R1-9.6) - Chimeric - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	R1-9.6
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Rabbit
Gene ID	3133
Gene Symbol	HLA-E
Species	Mouse
Specificity/Sensitivity	This antibody is specific for murine MHC class I, and binds to polymorphic H-2 determinants expressed on most haplotypes. This antibody is, therefore, able to bind all H-2 class I molecules, independent of the allele. This antibody recognises a determinant distinct from those detected by most common mouse monoclonal anti-H-2 antibodies.
Immunogen	This antibody was raised by immunising Lewis 1F rats with mouse CH-1 lymphoma cells. Spleen cells from immunised rats were fused with X-63Ag8-653 myeloma cells to generate hybridomas.
Product Application Details	
Applications	Immunocytochemistry/Immunofluorescence, Immunoprecipitation, Radioimmunoassay
Recommended Dilutions	Immunocytochemistry/Immunofluorescence, Immunoprecipitation, Radioimmunoassay
Application Notes	<p>This chimeric rabbit antibody was made using the variable domain sequences of the original format, for improved compatibility with existing reagents, assays and techniques.</p> <p>This antibody binds murine H-2 MHC class I molecules, and has been used in both structural and biochemical studies. This antibody has been used in immunoprecipitation analysis (Robinson, 1987), and in immunofluorescence assays for MHC-I surface expression (Karacsonyi et al, 2004) and MHC-I endocytosis (Knorr et al, 2009). This antibody has also been employed to induce clustering of cell surface MHC-I in co-patching assays (Knorr et al, 2009). Cellular radioimmune assays have been used to confirm the binding of this antibody to spleen cells, and assess its strain specificity (Koch et al, 1983).</p>



Images

Immunocytochemistry/Immunofluorescence: MHC Class I Antibody (R1-9.6) - Chimeric [NBP3-09016] - Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes immobilized on Shi-fix(TM) cover-slips and stained with the chimeric rabbit IgG version of R1-9.6 (NBP3-09016) at 10 ug/ml followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining in a subset of cells. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-09016, DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody followed by Alexa Fluor(R) 488 secondary antibody.





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Products Related to NBP3-09016-0.2mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
210-TA-005	TNF-alpha [Unconjugated]
H00003133-T01	MHC Class I 293T Cell Transient Overexpression Lysate

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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