

## DAF/CD55 (E7G2U) XP<sup>®</sup> Rabbit mAb



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## For Research Use Only. Not for Use in Diagnostic Procedures.

<b>Applications:</b> V, IHC-Bond, IHC-P	<b>Reactivity:</b> H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 78	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #P08174	Entrez-Gene Id: 1604
Product Usage Information		Application Western Blotting IHC Leica Bond Immunohistochemistry (Paraffin)		<b>Dilution</b> 1:1000 1:600 1:1200		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
		For a carrier free (BSA and azide free) version of this product see product #89928.				
Specificity/Sensitivity		DAF/CD55 (E7G2U) $\mathrm{XP}^{\$}$ Rabbit mAb recognizes endogenous levels of total DAF/CD55 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys110 of human DAF/CD55 protein.				
Background		expressed on the surfexposed to autologous regulatory proteins (Complement-mediate membrane dissociation and alternative compover expressed in a vacomplement-mediate immune evasion by to the treatment of hum express CD55 on the lysis, which contribute	face of vascular encus complement com CD35, CD46, and CD and lysis (1). DAF/CD5 on and inactivation lement cascades (2) ariety of solid and liced attack (3,4). Given an malignancies. Casurface of erythroces to the development cellon.	a GPI-linked plasma mer lothelial and hematopoin ponents. In conjunction 159), DAF/CD55 protects is inhibits activation of the C3 convertase, which and the C4 convertase, which its ability to disable the C5 has received attention D55 deficiency is also linguist the process of paroxymal nocturing tytopenia, and venous the lothelia and venous the lothelia and venous to th	etic cells, which are with other membre healthy cells from in the complement case inhibits amplification to protect turns to protect turns to protect turns as a potential there was all hemoglobinuria (all hemoglobinuria)	continuously ane complement nappropriate cade by promoting on of the classical DAF/CD55 is nor cells from ade and facilitate rapeutic target for ase. The inability to nplement-mediated
Background References		1. Fishelson, Z. et al. (2003) <i>Mol Immunol</i> 40, 109-23. 2. Brodbeck, W.G. et al. (1996) <i>J Immunol</i> 156, 2528-33. 3. Inoue, T. et al. (2002) <i>Mol Pathol</i> 55, 193-9. 4. Niehans, G.A. et al. (1996) <i>Am J Pathol</i> 149, 129-42. 5. Brodsky, R.A. (2014) <i>Blood</i> 124, 2804-11.				
Species Reactivi	ty	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key		W: Western Blotting IHC-Bond: IHC Leica Bond IHC-P: Immunohistochemistry (Paraffin)				
Cross-Reactivity Key		H: Human				
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		SignalStain is a regist	ered trademark of (	Cell Signaling Technolog	y, Inc.	

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