

PAR2 Monoclonal Antibody (SAM11)

Catalog Number35-2300

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG2a	Published species	Human, Mouse, Not Applicable
Class	Monoclonal	Tested Applications	
Type	Antibody	ELISA (ELISA)	Assay-dependent
Clone	SAM11	Immunohistochemistry (IHC)	Assay-dependent
Immunogen	A synthetic peptide corresponding to the N-terminal of the human PAR2 receptor.	Published Applications	
Conjugate	Unconjugated	Immunohistochemistry (IHC)	See 1 publications below
Form	Liquid	Western Blot (WB)	See 2 publications below
Concentration	0.5 mg/mL	Immunocytochemistry (ICC/IF)	See 1 publications below
Purification	Protein A	Miscellaneous PubMed (Misc)	See 1 publications below
Storage buffer	PBS, pH 7.4	Immunohistochemistry (Paraffin) (IHC (P))	See 1 publications below
Contains	0.1% sodium azide	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage Conditions	-20°C		

Background/Target Information

Coagulation factor II (thrombin) receptor-like 1 (F2RL1) is a member of the large family of 7-transmembrane-region receptors that couple to guanosine-nucleotide-binding proteins. F2RL1 is also a member of the protease-activated receptor family. It is activated by trypsin, but not by thrombin. It is activated by proteolytic cleavage of its extracellular amino terminus. The new amino terminus functions as a tethered ligand and activates the receptor. The F2RL1 gene contains two exons and is widely expressed in human tissues. The predicted protein sequence is 83% identical to the mouse receptor sequence.

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PubMed References For PAR2 Monoclonal Antibody (SAM11)

1 Immunohistochemistry References

Species / Dilution	Summary
Mouse / 1:500	35-2300 was used in immunohistochemistry and western blot to test if proteinase-activated receptor-2 modulates the deleterious effects of IL-1beta in ischemic retinopathies.
	The American journal of pathology ( 2015; 185: 581)
	<b>"Retinal neurons curb inflammation and enhance revascularization in ischemic retinopathies via proteinase-activated receptor-2."</b> Author(s):Sitaras N,Rivera JC,Noueihed B,Bien-Aimé M,Zaniolo K,Omri S,Hamel D,Zhu T,Hardy P,Sapieha P,Joyal JS,Chemtob S PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.ajpath.2014.10.020">http://dx.doi.org/10.1016/j.ajpath.2014.10.020</a>

2 Western Blot References

Species / Dilution	Summary
Mouse / 1:400	35-2300 was used in immunohistochemistry and western blot to test if proteinase-activated receptor-2 modulates the deleterious effects of IL-1beta in ischemic retinopathies.
	The American journal of pathology ( 2015; 185: 581)
	<b>"Retinal neurons curb inflammation and enhance revascularization in ischemic retinopathies via proteinase-activated receptor-2."</b> Author(s):Sitaras N,Rivera JC,Noueihed B,Bien-Aimé M,Zaniolo K,Omri S,Hamel D,Zhu T,Hardy P,Sapieha P,Joyal JS,Chemtob S PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.ajpath.2014.10.020">http://dx.doi.org/10.1016/j.ajpath.2014.10.020</a>
Human / 1:250	The Journal of biological chemistry ( 2004; 279: 55419)
	<b>"Constitutive protease-activated receptor-2-mediated migration of MDA MB-231 breast cancer cells requires both beta-arrestin-1 and -2."</b>
	Author(s):Ge L,Shenoy SK,Lefkowitz RJ,DeFea K PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M410312200">http://dx.doi.org/10.1074/jbc.M410312200</a>

1 Immunocytochemistry References

Species / Dilution	Summary
Human / Not Cited	35-2300 was used in immunocytochemistry assess the effect of polyinosinic-polycytidylic acid on the barrier function and tight junction integrity of primary human lung microvascular endothelial cells
	PloS one ( 2017; 11: )
	<b>"Poly(I:C) Induces Human Lung Endothelial Barrier Dysfunction by Disrupting Tight Junction Expression of Claudin-5."</b> Author(s):Huang LY,Stuart C,Takeda K,D'Agnillo F,Golding B PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0160875">http://dx.doi.org/10.1371/journal.pone.0160875</a>

1 Miscellaneous PubMed References

Species / Dilution	Summary
Human / Not Cited	35-2300 was used in immunohistochemistry (paraffin) to examine expression and biological activity of PAR-1 and PAR-2 in normal and pathological cutaneous scars.
	The Journal of pathology ( 2007; 212: 440)
	<b>"Analysis of protease-activated receptor-1 and -2 in human scar formation."</b> Author(s):Materazzi S,Pellerito S,Di Serio C,Paglierani M,Naldini A,Ardinghi C,Carraro F,Geppetti P,Cirino G,Santucci M,Tarantini F,Massi D PubMed Article URL: <a href="http://dx.doi.org/10.1002/path.2197">http://dx.doi.org/10.1002/path.2197</a>

1 Immunohistochemistry (Paraffin) References

Species / Dilution	Summary
Not Applicable / 1:50	35-2300 was used in immunohistochemistry - paraffin section to determine the expression of PAR-1, PAR-2, MMP-2, MMP-9, COX-1, and COX-2 in patients with orofacial granulomatosis
	Oral diseases ( 2007; 13: 419)
	<b>"Expression of protease-activated receptor-1 and -2 in orofacial granulomatosis."</b> Author(s):Ketabchi S,Massi D,Ficarra G,Rubino I,Franchi A,Paglierani M,Simoni A,Capodiferro S,Favia G,Maiorano E,Tarantini F,Cirino G,Santucci M PubMed Article URL: <a href="http://dx.doi.org/10.1111/j.1601-0825.2006.01317.x">http://dx.doi.org/10.1111/j.1601-0825.2006.01317.x</a>

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