

Product datasheet for **AM05592PU-N**

Siglec 7 (SIGLEC7) Mouse Monoclonal Antibody [Clone ID: 5-386]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5-386
Applications:	FC, IHC
Recommended Dilution:	Flow Cytometry: Use 10 µl of 1/100-1/200 diluted antibody to label 1x10 ⁶ cells in 100 µl. Immunohistochemistry on Frozen Sections: 1/100. Recommended Positive Control: Frozen Tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Monocyte-derived dendritic cells.
Specificity:	This antibody is specific for CDw328.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	sialic acid binding Ig like lectin 7
Database Link:	Entrez Gene 27036 Human Q9Y286



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Background:

CDw328 is a type I transmembrane glycoprotein and member of the Siglec (sialic acid binding Ig-like lectin) family, designated Siglec-7, originally identified as an inhibitory NK cell receptor (NKR) and negative regulator of NK activation, attributed to ITIM recruitment of SHP-1 phosphatase.

CDw328 is expressed predominantly by natural killer cells (NK) and to a lesser extent by monocytes and granulocytes and, like Siglec-5 (CD170), has been shown to bind to sialylated ligands of targets through recognition of sialic acid in both the alpha-2,3- and alpha-2,6-glycosidic linkage.

Synonyms:

Siglec-7, QA79 membrane protein, p75, D-siglec, CDw328, AIRM1