

TREM1/CD354 recombinant antibody

Anti-TREM1/CD354 Reference Antibody (PY159)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29402	CHO Cell	Human	ELISA, Flow Cytometry, Functional Assay, Functional Assay

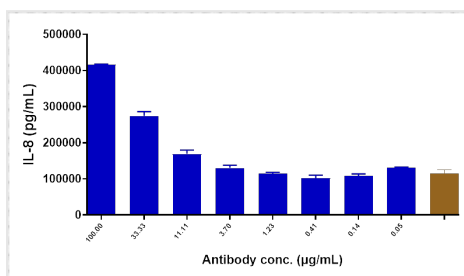
PRODUCT SYNONYMS

TREM1/CD354; Monoclonal Recombinant Antibody; Anti-TREM1/CD354 Reference Antibody (PY159); TREM1/CD354 recombinant antibody

PRODUCT SPECIFICATIONS

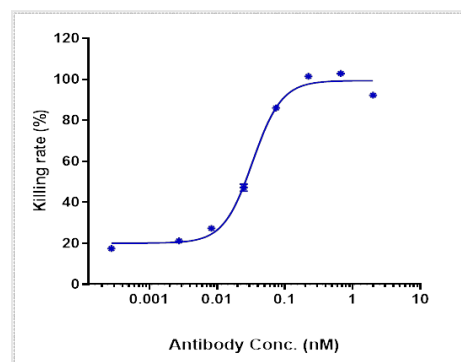
Host	CHO Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Specificity	TREM1/CD354
Form/Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.
Concentration	1mg/ml (varies by lot)
Applicable Applications for TREM1/CD354 recombinant antibody	ELISA, FCM/FACS (Flow Cytometry), FA (Functional Assay), Animal Model
Endotoxin	< 0.001EU/ug, determined by LAL method.
Conjugation	Unconjugated
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store at -80 degree C for 2 years under sterile conditions; -20 degree C for 1 year under sterile conditions; Avoid repeated freeze-thaw cycles.

IMAGES



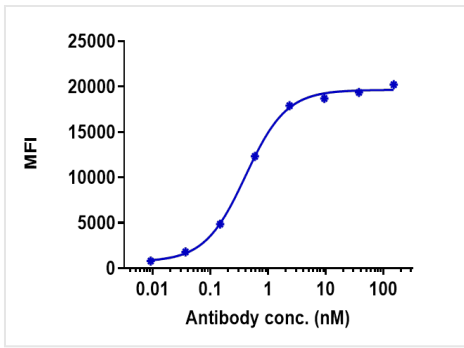
Application Data

Anti-TREM1 Reference Antibody (PY159) Activation was evaluated using PBMC. The max induction fold was approximately 3.16



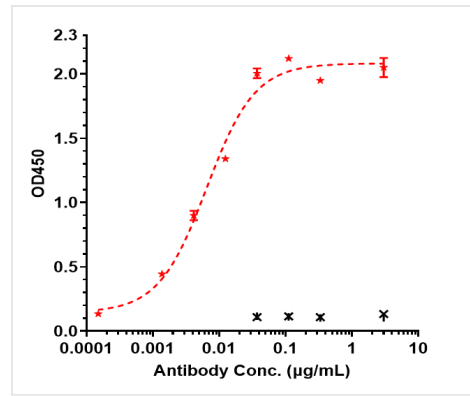
Application Data

The endocytosis ratio PY159 by hu-TREM1-HEK293 increased with the increase of antibody concentration, and the Internalization Rate (%) reached 80% at antibody concentration of 0.3 nM.



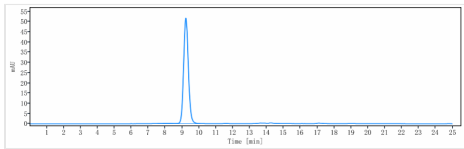
FCM (Flow Cytometry)

Human TREM1 HEK293 cells were stained with Anti-TREM1 / CD354 Reference Antibody (PY159) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC275=0.7744nM



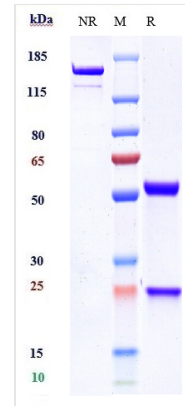
Application Data

Immobilized human TREM1 His at 2 ug/mL can bind Anti-TREM1 / CD354 Reference Antibody (PY159), EC50=0.00645ug/mL



Application Data

The purity of Anti-TREM1 / CD354 Reference Antibody (PY159) is more than 95%, determined by SEC-HPLC.



SDS-PAGE

Anti-TREM1 / CD354 Reference Antibody (PY159) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

ADDITIONAL INFORMATION

Product Categories/Family for
TREM1/CD354 recombinant antibody

Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	336088680
NCBI GeneID	54210
NCBI Accession #	NP_001229518.1
NCBI GenBank Nucleotide #	NM_001242589.1
UniProt Accession #	Q9NP99; Q53FL8; Q5T2C9; Q86YU1; B4DWG2
Molecular Weight	26,387 Da
NCBI Official Full Name	triggering receptor expressed on myeloid cells 1 isoform 2
NCBI Official Synonym Full Names	triggering receptor expressed on myeloid cells 1
NCBI Official Symbol	TREM1
NCBI Official Synonym Symbols	CD354; TREM-1
NCBI Protein Information	triggering receptor expressed on myeloid cells 1; triggering-receptor TREM1; triggering receptor expressed on monocytes 1

UniProt Protein Name	Triggering receptor expressed on myeloid cells 1
UniProt Gene Name	TREM1
UniProt Synonym Gene Names	TREM-1
UniProt Entry Name	TREM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/trem1-cd354-recombinant-antibody-flow-cytometry-functional-assay-elisa/29402>