

Anti-CD166/ALCAM Antibody (7F950)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Rat
Conjugation:	Unconjugated
Clone:	7F950
Purification:	Protein A

Applications

Verified Activity:	<p>1. Anti-ALCAM rabbit monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none"> -Lane A: SH-SY5Y Whole Cell Lysate. -Lane B: Daudi Whole Cell Lysate. -Lane C: HuT78 Whole Cell lysate. -Lysates/proteins at 30 µg per lane. -Secondary -Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. -Developed using the Odyssey technique. -Performed under reducing conditions. -Predicted band size:65 kDa. -Observed band size:100 kDa.
	<p>2. rat, hALCAM was immunoprecipitated using:</p> <ul style="list-style-type: none"> -Lane A:0.5 mg SH-SY5Y Whole Cell Lysate. -2 µL anti-rat, hALCAM rabbit monoclonal antibody and 15 µL of 50 % Protein G agarose. -Primary antibody: -Anti-rat, hALCAM rabbit monoclonal antibody, at 1:100 dilution. -Secondary antibody: -Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. -Developed using the odyssey technique. -Performed under reducing conditions. -Predicted band size: 65 kDa. -Observed band size: 100 kDa
Application:	ELISA,IP,WB
Recommended	WB: 1:500-1:2000; ELISA: 1:5000-1:10000; IP: 1-4 µL/mg of lysate

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Rat CD166 / ALCAM protein (TMPY-02936)

Antigen Species: Rat

Synonyms: CD166;activated leukocyte cell adhesion molecule;MEMD

Research Background

Activated leukocyte cell adhesion molecule (ALCAM)/Cluster of differentiation (CD166) is a type I transmembrane cell adhesion molecule belonging to the Ig superfamily and a ligand for CD6 that is expressed on T lymphocytes. The extracellular domain of ALCAM contains five Ig-like domains (three Ig-like C2-type domains and two Ig-like V-type domains), of which the amino-terminal V1 domain is essential for ligand binding and ALCAM-mediated cell aggregation. ALCAM mediates both heterophilic (ALCAM-CD6) and homophilic (ALCAM-ALCAM) cell-cell interactions. ALCAM/CD6 interaction plays a role in T cell development and T cell regulation, as well as in the binding of T- and B-cells to activated leukocytes. Recently, homophilic (ALCAM-ALCAM) adhesion was shown to play important roles in tight cell-to-cell interaction and regulation of stem cell differentiation. While expressed in a wide variety of tissues, ALCAM is usually restricted to subsets of cells involved in dynamic growth and/or migration, including neural development, branching organ development, hematopoiesis, immune response and tumor progression. And CD166 is regarded as a potential novel breast cancer indicator and therapeutic target.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481