

Anti-CD166 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 62 kDa. Actual: 62/70 kDa.
Purification:	Protein A purified

Applications

1. Blank control: Molt-4 Cells (blue). Primary Antibody: Rabbit Anti-CD166/FITC Conjugated antibody (TMAB-03871/AF488), Dilution: 1 µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG/AF488 orange), used under the same conditions.

Protocol

The cells were fixed with 2% paraformaldehyde (10 min). The cells were washed twice with 1 X PBS. The cells were incubated in 1 X PBS containing 0.5% BSA+1 0% goat serum (15 min) to block non-specific protein-protein interactions followed by the incubated with antibody (TMAB-03871/AF488, 1 µg /1x10⁶ cells) for 30 min on ice. Acquisition of 20,000 events was performed.

2. Sample:

Verified Activity: MCF-7 Cell (Human) Lysate at 30 µg
Primary: Anti-CD166 (TMAB-03871) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 62 kD
Observed band size: 62/70 kD

3. Sample:

HepG2 Cell (Human) Lysate at 30 µg
Primary: Anti-CD166 (TMAB-03871) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 62 kD
Observed band size: 62/70 kD

Application: WB,FCM

Recommended WB: 1:500-2000; FCM: 1µg/Test

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.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human CD166
Antigen Species: Human
Gene ID: 214
Uniprot ID: Q13740

Research Background

CD166 is a member of the Ig superfamily and is expressed on activated T-cells, B cells and other cells including thymic epithelial cells, fibroblasts, keratinocytes and neurons. CD6 has been identified as a receptor for CD166.

The expression of CD166 is up-regulated in low-grade prostate tumors and down-regulated in high-grade tumors; may play role in progression of prostate cancer.

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