

Anti-FCAR/CD89 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat
Molecular Weight:	Theoretical: 29 kDa. Actual: 50 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FCAR) Polyclonal Antibody, Unconjugated (TMAB-05942) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FCAR) Polyclonal Antibody, Unconjugated (TMAB-05942) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FCAR) Polyclonal Antibody, Unconjugated (TMAB-05942) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FCAR) Polyclonal Antibody, Unconjugated (TMAB-05942) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FCAR) Polyclonal Antibody, Unconjugated (TMAB-05942) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.
6. Sample:
 - Lane 1: Rat Liver tissue lysates
 - Lane 2: Rat H9C2 cell lysates
 - Lane 3: Human LOVO cell lysates
 - Lane 4: Human K562 cell lysates
 - Lane 5: Human HL-60 cell lysatesPrimary: Anti-FCAR/CD89 (TMAB-05942) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 29 kDa
Observed band size: 50 kDa
7. Blank control: Jurkat.
Primary Antibody (green line): Rabbit Anti-CD89 antibody (TMAB-05942)
Dilution: 2 µg/Test;

Verified Activity:

A DRUG SCREENING EXPERT

Secondary Antibody (white blue line) : Goat anti-rabbit IgG-FITC

Dilution: 0.5 µg/Test.

Isotype control (orange line): Normal Rabbit IgG

Protocol

The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

Application: WB,IHC-P,IHC-Fr,IF,FCM

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 2µg/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 FCAR

Antigen Species: Human

Gene ID: 2204

Uniprot ID: P24071

Research Background

Binds to the Fc region of immunoglobulins alpha. Mediates several functions including cytokine production.

Tissue specificity;

Isoform A.1, isoform A.2 and isoform A.3 are differentially expressed between blood and mucosal myeloid cells.

Isoform A.1, isoform A.2 and isoform A.3 are expressed in monocytes. Isoform A.1 and isoform A.2 are expressed in alveolar macrophages; however only one isoform is expressed at alveolar macrophages surfaces.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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