

Product datasheet

Anti-CD84 antibody [153-4D9] - BSA and Azide free ab212973

Overview

Product name	Anti-CD84 antibody [153-4D9] - BSA and Azide free
Description	Mouse monoclonal [153-4D9] to CD84 - BSA and Azide free
Host species	Mouse
Tested applications	Suitable for: ICC/IF, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human CD84. MLR-stimulated lymphocytes. Database link: Q9UIB8
Positive control	Raji, HL60, THP-1, HMC-1, HEL and NAMALWA cells. Human platelets and macrophages. Human tonsil.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Constituent: 100% PBS
Purity	Protein G purified
Purification notes	ab212973 was purified from Bioreactor Concentrate by Protein A/G.
Clonality	Monoclonal
Clone number	153-4D9
Isotype	IgG1
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab212973** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 0.5 - 1 µg/ml.
Flow Cyt		Use 0.5-1µg for 10 ⁶ cells.

Target

Function	Plays a role as adhesion receptor functioning by homophilic interactions and by clustering. Recruits SH2 domain-containing proteins SH2D1A/SAP. Increases proliferative responses of activated T-cells and SH2D1A/SAP does not seem to be required for this process. Homophilic interactions enhance interferon gamma/IFNG secretion in lymphocytes and induce platelet stimulation via a SH2D1A/SAP-dependent pathway. May serve as a marker for hematopoietic progenitor cells.
Tissue specificity	Predominantly expressed in hematopoietic tissues, such as lymph node, spleen and peripheral leukocytes. Expressed in macrophages, B-cells, monocytes, platelets, thymocytes, T-cells and dendritic cells. Highly expressed in memory T-cells.
Sequence similarities	Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
Developmental stage	Expression is slightly increased in naive B-cells after the first division. By contrast, expression on memory B-cells decreased with each successive division.
Domain	ITSM (immunoreceptor tyrosine-based switch motif) motif is a cytoplasmic motif which may bind SH2D1A.
Post-translational modifications	Phosphorylated by tyrosine-protein kinase LCK on tyrosine residues following ligation induced by agonist monoclonal antibody. The association with SH2D1A/SAP is dependent of tyrosines phosphorylation of its cytoplasmic domain Phosphorylated on Tyr-296 and Tyr-316 following platelet aggregation. N-glycosylated.
Cellular localization	Cell membrane.

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