

CD1a Recombinant Rabbit Monoclonal Antibody

Cat: HKZ150173
Company: HaoKebio

Uniprot ID: P06126

Organism: Rabbit

Species reactivity: Human

Predicted Molecular Weight: 37 kDa

Applications: IHC: 1:100-1:200

IHC-Polymer: 1:400-1:800

TSA: 1:500-1:1000

Background:

CD1a is a member of the CD1 protein family (CD1a, CD1b, and CD1c) that possesses the ability to present microbial lipid antigens to T cells. CD1a is primarily expressed in Langerhans cells (LCs), and may be expressed in T cells under specific conditions. Both immature thymocytes and certain tumor-associated T cells express CD1a, as seen in precursor lymphoblastic lymphoma/leukemia and follicular dendritic cell sarcoma. The expression of CD1a in pathogenic LCs of Langerhans cell histiocytosis (LCH) is considered a hallmark of the disease, potentially serving as a therapeutic target for future treatments of inflammatory skin disorders.

Protein full name:

CD1a molecule

Synonyms:

CD1, CD1A, CD1a molecule, FCB6, HTA1, hTa1 thymocyte antigen

Immunogen:

A synthetic peptide corresponding to amino acid residues 1–100 of CD1a.

Isotype:

IgG

Subcellular location:

Cell membrane

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

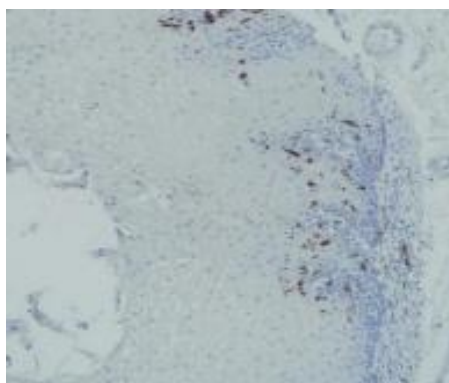
59% PBS, 0.01% sodium azide, 40% glycerol, 0.05% BSA.

Storage:

Ship on blue ice. Upon receipt, aliquot and store at -25°C to -18°C. Avoid repeated freeze-thaw cycles.

Experimental procedure:

Antigen retrieval using Tris-EDTA buffer (pH 9.0); primary antibody incubation at room temperature (18 °C – 25 °C) for 30 minutes.

Images:


Immunohistochemical results of CD1a staining in esophageal tissue (formalin-fixed, paraffin-embedded sections) using HKZ150173. Antigen retrieval was performed with Tris-EDTA buffer (pH 9.0).

Source of Reagents:

1. Hunger RE, et al. J Clin Invest. 2004 Mar;113(5):701-8.
2. Kim JH, et al. Nat Immunol. 2016 Oct;17(10):1159-66.

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发表[中文论文]请标注: CD1a (HKZ150173) 由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注: CD1a (HKZ150173) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

