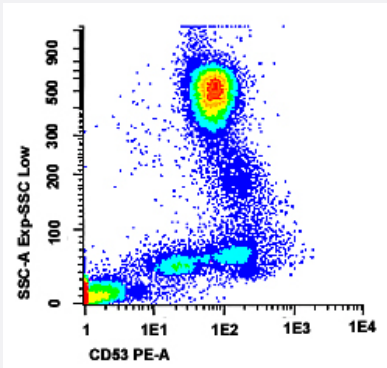


# CD53 monoclonal antibody, clone HI29 (PE)

Catalog # MAB13707      Size 100 Reactions

## Applications



### Flow Cytometry

Flow cytometric analysis of a lysate normal whole blood sample with CD53 monoclonal antibody, clone HI29 (PE) (Cat # MAB13707).

## Specification

Product Description	Mouse monoclonal antibody raised against human CD53.
Immunogen	Leucocytes of patient suffering from a LGL-type leukaemia.
Host	Mouse
Theoretical MW (kDa)	32-40
Reactivity	Human
Form	Liquid
Conjugation	PE
Purification	Protein A/G purification
Purity	>90%
Isotype	IgG1

**Recommend Usage**

Flow Cytometry (20  $\mu$ L/10<sup>6</sup> cells)  
The optimal working dilution should be determined by the end user.

**Storage Buffer**

In PBS, pH 7.4 (protein stabilizer, 0.09% sodium azide).

**Storage Instruction**

Store in the dark at 4°C.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Flow Cytometry

Flow cytometric analysis of a lysate normal whole blood sample with CD53 monoclonal antibody, clone HI29 (PE) (Cat # MAB13707).

## Gene Info — CD53

**Entrez GeneID**

[963](#)

**Protein Accession#**

[P19397](#)

**Gene Name**

CD53

**Gene Alias**

MOX44, TSPAN25

**Gene Description**

CD53 molecule

**Omim ID**

[151525](#)

**Gene Ontology**

[Hyperlink](#)

**Gene Summary**

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. It contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation. Familial deficiency of this gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]

**Other Designations**

CD53 antigen|CD53 glycoprotein|CD53 tetraspan antigen|OTTHUMP00000013686|OTTHUMP0000059505|antigen MOX44 identified by monoclonal antibody MRC-OX44|cell surface antigen|leukocyte surface antigen CD53|tetraspanin-25|transmembrane glycoprotein

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)