

## Datasheet

### CD53 monoclonal antibody, clone HI29 (PerCP)

**Catalog Number:** MAB13709

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against human CD53.

**Clone Name:** HI29

**Immunogen:** Leucocytes of patient suffering from a LGL-type leukaemia.

**Host:** Mouse

**Theoretical MW (kDa):** 32-40

**Reactivity:** Human

**Applications:** Flow Cyt

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Conjugation:** PerCP

**Purification:** Protein A/G purification

**Purity:** >90%

**Isotype:** IgG1

**Recommend Usage:** Flow Cytometry (20  $\mu$ L/ $10^6$  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.

**Entrez GeneID:** 963

**Gene Symbol:** CD53

**Gene Alias:** MOX44, TSPAN25

**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]